G. R. S. 58]

Previous references.
Jm 198-08.

File No. 246-13

191

Serial Nos. 1-15, 21, 23-4, 28

(Jm)

Later references.
D. D. 88-18 Rec 2+3
Rec 445-17 Fol 1, 2, 20, 21, 35-37
MS 59-19 (26+27)

GENERAL AND REVENUE SECRETARIAT.

Serial Nos. 1-15, 21, 23-4, 28.

Part B for Aug 14.

SUBJECT.

Report on the Condition of the Great Trigonometrical Survey Stations in the State.

To The F. A. Resident, in Mysore
No 128 P.S. 15-8-14

Forwards the report received from the Dy Commr Kolar Dt regarding the damage done to the Trigonometrical Survey Station at Ambajidrug Chintamany Taluk.

GPB—10,000—23-3-15

G.R.S. 11] 1913.- 14.

GENERAL AND REVENUE SECRETARIAT.

(Gen: Mis)

NOTES.

File No. 246

FILE HEADING.

Trigonometrical Survey stations in the State -

From The Dy Cmr - Trichur Dt.

No. 285 Dated 6.1.14 Received 7.1.1914.

Diary No. 4455 | Enclos. one | Spare Copies. - | Serial No. 1

BRIEF ABSTRACT OF LETTER.

Submits the annual return of on the condition of the Trig: Survey stations in his Dt for 1913.

	NOTES AND ORDERS.
2	From the Dy Cmr - Kolam - no. 107 of 7.1.19 — do —
3	From the same - no. 168 of 8.1.1914 In continuation of 82 - forwards the repa on the condition of stations no. 1949.

NOTES—First Sheet.

GPB—30,000—12-8-11

General and Revenue Secretariat.

fm File No. 226 of 1913. Rc.

Serial No.	
4.	from the Dy Com^r - Chitaldrug Dt no 263 dy 9. 1. 1914. fwds the report on the credit of the stations in this Dt for 1913.
5	do Shimoga. no 294/R 163 dy 15-1-14 do
6	do Kadur Dt - no 330 dy 14. 1. 1914 do
	1. Reports are still due from the Dy Com^rs of Mysore, Bangalore & Hassan Dts. Draft recommended Hg 19/1/14 Issued No. G. 5868-70 dy 26-1-1914
7	from the A. A. Research. no. 624 dy 26. 1. 1914. Invites refce to his no 6676 dy 11. 12-08 & requests that the report on the Condi tion of G. T. S. Stns for 1913 may be fwded at an early date -
8	from the Dy Com^r - Tumkur Dt no 314 dy 22/23. 6. 1914. fwds for sanction 2 Estimates for Rs 4 each for repairs required to the Stations at Seethakal & Rama- devanbetta in the Tumkur Taluk

Encl 08-1 Hdg R

NOTE—Contn. sheet.

GPB—60,000—7-11-13

General and Revenue Secretariat.

for File No. 246 of 1913-14.

Serial No.	
	2 As regards sl.7. The returns are shee due from the Dy Comrs of Mysore, Bangalore & Hassan. A reminder has been issued on the 26th Inst. The receipt of the returns may be awaited.
	3 Regarding sl.8. It is subd that in the return recd from the Dy Comr Dunbar the ~~Condition of the~~ 2 stations viz Goa are ~~reported~~ said to be in good condition whereas 2 estimates have been subd for sanction for repairs reqd to them. However the amount will be included in the consolidated return to the Residency for the sanction of the Supt of Irrigation Investigations.
	Hqs 29/1/14
	29/1/14
	Hqs
9	From the Dy Comr Bangalore no S.5581 & 26/27. 1.1914 forwards the statement showing the condition of G.T.S. stns in his Dt for 1913 & states that Estimates

NOTE—Contn. sheet.

GPB—60,000—7-11-13

General and Revenue Secretariat.

File No. 46 of 1913-14

Serial No.	
	for cost of repairs to certain stations will follow.
10	From the Dy Com^r Hassan. No 270/S dy 28/30.1.1914. Forwards the report on the Condition of G.P.S. stns in this Dt for 1913 & a bill for repairs executed to the Stations at Mallappanabetta in the Hassan Dalukh.
11	From the Dy Com^r Mysore Dt No S 27 dy 31st Jan 1914. Forwards the report on the Condition of G.P.S. Stations in this Dt for 1913. & the Estimates framed by the Dy Com^rs of Kolar & Bangalore in Rs 2 & 9 have not yet been received. Two drafts sub^d hg 6/2/14
	Issue SOR 7/2
	Issued. G 6709 & 6710 dy 21.2.14
12	From the Dy Com^r Bangalore No. S. 634 dy 13.2.14. In continuation of s/9 - forwards 4 Estimates for repairing certain stations

NOTE—Contn. sheet.

GPB—60,000—7-11-13

General and Revenue Secretariat.

File No. 246 of 1913-14.

Serial No.

in his Distt.

5. The Dy Commr - Kolar has not yet sent in the Estimates pro-posed by him. Draft sent by him 5/3/14

Issue
JPM 6/3

Issued vide G 7231 dt 7.3.14.

6. The Estimates referred to above have not yet been received. Draft sent by him 17/3/14

Issue
JPM 17/3

Issued G 7802 dt 20.3.1914.

13 From the Dy Commr - Bangalore No 361 dt 3/6.3.1914 In continuation of Sl. forwards an Estimate for Rs 1-8-0 on a/c of Chunam pointing needed to the station on the Pavagada Hills -

7. The Dy Commr - Kolar has not yet submitted certain Estimates pro-posed by him & hence the submission of the Candidates returned to the Residency has been delayed -

NOTE—Contn. sheet.

GPB—60,000—7-11-13

General and Revenue Secretariat.

File No. 246 of 1918.14

Serial No.

for more than 2 months - Draft D.O. submd

Mg BR 3/4/14

8. Issue. If no reply is recd by next week, please send a telegraphic reminder

SJOR 3/4

Issued. G 8084 & 7.3.1914.

14 From the Dy Comr - Kolar Distt. no. 273 & 6th April 1914 forwards 4 estimates for cost of repairs to G.D.S. Stations in his Distt.

9. Draft forwarding the annual report to the Residency submd

Mg BR 11/4/14

10 Secy 9th) SJOR 14/4

PA 17/4

Issue

SJOR 17/4

15 To the A.A. Research - Ord no 824 & 21.4.1

forwards the reports on the conditions of th

NOTE—Contn. sheet.

GPB—60,000—7-11-13

G. R. S. 12]

General and Revenue Secretariat.

File No. 266 of 1913-14

Serial No.	
	G. I. S. Statistics in the State for 1913
21	From the F & A. Research. No 3894 G 10.6.1914. With reference to Sl. 15. above - forwarding information & necessary asked letter no 266/2043 G 3.6.14 from the Supdt Nij: Survey on the annual report for 1913.
17	Draft to the Dy Com Kolar calling for the report regarding statistics no. 1939 issued
	Sig Issued 23/6/14
13	Issued 24/6
13	To the Dy Com - Kolar Distt no. G 10899 G 30-6-1914 Requesting with a spl report may be forwarded regarding the damage done to stn no. 1939 & that an investigation may be made with a view to ascertain who removed the cement pillar of the stn - &
14	The report called for has not yet been received. Draft reminder issued
	Sig 16/7/14
15	Issued

NOTE—Contn. sheet.

Issued G 605 G 21/7/14

GPB—60,000—7-11-13

G. R. S. 12]

General and Revenue Secretariat.

File No. 246 of 1913 : 14

Serial No.	
24	From the Dy Comr, Kohat Distt - No. 35. dt 10th August 1914 - With refce to sl. 23 states that it is seen from the Amildars report that the mark stone on the basement of the st is alright & undisturbed & that the pillar was subsequently put on by the village offrs, around which rough stones have been heaped over in the fo of a pyramid as a precaution & the stone platform round it has also bee well strengthened - Also states that an attempt was made to trace out the culprits but without succes
16	Draft Communicating the above to the Residency subo for approval or other orders.
	12/8/14
17	Maybe approved 13/8/14
	Seen)
18	A tidy draft-as revised maybe brought to me by the C.W Done 14.
19	Approved. Done today Done 14/8/14
28	To the P. A. Resident 15/8 Pol no 128 dt 15-8-14 Intimates the above -

NOTE—Contn. sheet.

GPB—60,000—7-11-13

From

The Deputy Commissioner,

Tumkur District

To

The Secretary to the Govt.
of Mysore,
Genl and Rev. Deptts.,

Dated , Tumkur, 6th January 1914

Despatched

Received

General No.

No.

Enclosure No.

Submits the annual return on the condition of the Trignometrical Surve Stations in this District for the yea 1913.

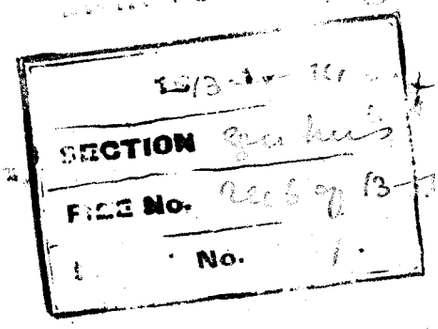
GPB—50,000—8-1-13

Office of the Deputy Commissioner,

Bellary District,

Dated, Bellary, 6th January 1914

Dated no. 6455



From.

B.J. Kumarasami Naik, Esq., B.A.,

Deputy Commissioner, Bellary District.

To.

K.R. Srinivasiengar, Esq., M.A.,

Secretary to the Government of

H.H. the Maharaja of Mysore, Genl & Rev. Deptts.,

Sir,

I have the honour to submit herewith the annual return on the conditions of the Trignometrical Survey Stations in this District for the year 1913.

I have the honour to be,

Sir,

Your most obedient servant,

Assistant Commissioner
for Deputy Commissioner,
absent from station.

TUMKUR DISTRICT.

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
In good condition			
—do—			
—do—			
—do—			
—do—			
—do—			
—do— The Amildar states that the mound requires pointing up to the chunam	1	8	-
In good condition			
—do—			
—do—			

5/1/1914. Musaman Jr
K. A. Dr Deputy Commissioner

TUMKUR DISTRICT.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

Measures necessary for the protection of Stations.

Description of Station.	Protective Measures.
1. Hollow Towers of Pakka masonry.	1. Stop all cracks; close the trap door; block up the windows and the doors in the basement; and should the roof fall in, shape the debris in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones in the form of a pyramid.
2. Solid Towers of Kacha masonry, with a central solid Pakka Pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of Kacha masonry, with a central perforated Pakka Pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark stone with earth and stones if open.
4. Low platforms of Kacha materials with a central solid Pakka Pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. Pakka Pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud and prevent water lodging near the base of the pillar.
6. Pakka pyramidal pillars.	6. Cover over with earth and stones as in 4.

Note.

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the debris is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high over the spot whence the mark-stone has been removed.

In consequence of changes in the boundaries of districts, etc., any station in the return which has changed its district should be noticed and correct district entered against it in the return.

After filling in the last two columns, the return should be sent, as soon as possible after 1st January, to the Superintendent, Trigonometrical Surveys, Dehra Dun.

As the funds available for the protection of stations do not allow of a greater average expenditure than Rs. 4 or 5 per station annually, the repairs should be restricted to the protective measures detailed above.

The following abbreviations are generally employed after the Survey names of stations:—

H. S.	denotes	Hill Station (Principal).	h. s. denotes hill station—Secondary.
P. S.	,,	Platform Station (Principal).	s. denotes station—Secondary.
S.	,,	Station ,,	t. s. denotes tower station—Secondary.
T. S.	,,	Tower Station ,,	

TUMKUR DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
3406	Bommanahalli, h. s.	Bommanahalli-betta.	Bommanahalli	Tiptur Taluka	Godabonahalli, Guladahalli, Bommanahalli and Hoshalli.
3407	Byal, h. s. ...	Baillippibetta...	Byalya ...	Maddagiri Taluka.	Settihalli, Puttanahalli and Soganahalli.
3408	Chowdanhalli, S.	Krishnapura ...	Between Chandamhalli and Krishnapura.	Tiptur Taluka	Chandamhalli, Krishnapura, Doddenahalli and Turuvekere.
3409	Devarayadurga, h. s.	Devarayadurg-betta.	Devarayadurga	Tumkur Taluka	Aunapanahalli, Thimmanayakanahalli and Durgadahalli.
3410	Dodnirmanga, H. S.	Dodnirmanga...	Kavanadala ...	Maddagiri Taluka.	Timmalapura and Kavanadala.
3411	Hemagiri, H. S.	A hill near Rangaswami-betta and Hutridurga-betta.	Huliyurdurga...	Kunigal Taluka	Huliyurdurga, Ujini, Hettapur and Varadarajanapalya.
3412	Pavagada, H. S.	Sultanbateri ...	Pavagada ...	Pavagada Taluka.	Pavagada and Rangapura.
3413	Ramadevara-betta, H. S.	Ramadevarbetta	Basavapatna ...	Tumkur Taluka	Basavapatna, Karikalpalya, Boorugamaradapalya and Siddagangematt.
3414	Rangaswami-betta, H. S.	On the west of the Hutridurga hill and Kunigal.	Kothgiri and Gunagra.	Kunigal Taluka	Kunigal, Nadamavinpur, Kalaganapalya and Bommadagiri.
3415	Sitakal, h. s.	Ramadevarbetta	Sitakallu ...	Tumkur Taluka	Sitakallu, Betta Sitakallu, Kalenahalli and Gujjiganahalli.

P. F. BOWRING ESQUIRE., J. P.,
Deputy Commissioner,
Kolar District.

To

The Secretary to the
Govt of Mysore
Genl & Revl depts

Dated 7.1.14. Bangalore

Despatched

Received

General No. 107
No.

Enclosure No. 1

Subject

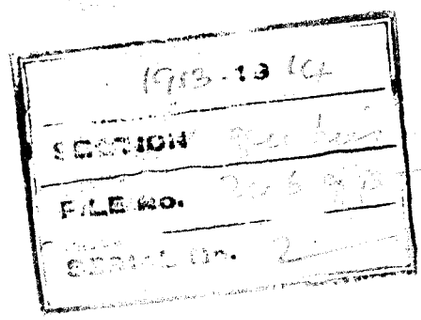
Submitting annual Retu
showing the condition o
the Great Trigonometrical
Cadastral Survey Stations in the Kola
District for the Calenda
year 1913.

GPB—50,000—8-1-13

KOLAR DISTRICT,

Dated Camp *the* 7th January 1914.

4533



FROM

P. F. BOWRING, ESQUIRE., J. P.,
Deputy Commissioner,
Kolar District.

TO K. R. Srinivasa Iyengar Esquire M.A.
Secretary to the Government of H.H.
the Maharaja of Mysore
General & Revenue depts.
Bangalore.

SIR,

I have the honor to forward herewith the annual return showing the Condition of the Stations of the Great Trigonometrical Survey situated in the Kolar District for the calendar year 1913.

2. Orders have been issued to the Amildars of Chintamani, Malur, Bagepalli and Kolar Talukas to submit at an early date estimates for the repairs required to stations Nos. 1939, 1941 and 1943-1944 respectively and they will be submitted early on receipt. I have the honor to be

Sir,

Your most obedient Servant

A-Bx
Treasury Asst to Comr.
Mt for Deputy Commissioner Kolar Distt. (absent on tour)

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
The Central pillar has been removed. There is a hollow where the pillar should have been. Some debris is thrown on the platform. The rough stone platform around is alright. Estimate for the cost of repairs will follow:-			
Good -			
Steps leading to the Trigonometrical station have considerably fallen down. Stone revetment is out of order in some part. Estimate for cost of repairs will be submitted.			
In good order.			
The rough stones constituting the pyramidical structure have slipped and are displaced on one side and weeds have grown all round the ~~platform over which the pyramidical structure~~ stands. Estimate will follow:-			
Some of the stones of platform have fallen down. Estimate for the repairs will be submitted.			
Good.			
All right.			
Good.			
In good condition			
A separate report as regards this station will be submitted early.			

A-Dr — 7. — 6.

W/o for D/ Commissioner
Kolar District

KOLAR DISTRICT.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

Measures necessary for the protection of Stations.

Description of Station.	Protective Measures.
1. Hollow Towers of Pakka masonry.	1. Stop all cracks; close the trap door; block up the windows and the doors in the basement; and should the roof fall in, shape the debris in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones in the form of a pyramid.
2. Solid Towers of Kacha masonry, with a central solid Pakka pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of Kacha masonry, with a central perforated Pakka pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark stone with earth and stones if open.
4. Low platforms of Kacha materials with a central solid Pakka pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. Pakka pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud and prevent water lodging near the base of the pillar.
6. Pakka pyramidal pillars.	6. Cover over with earth and stones as in 4.

NOTE.

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the debris is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high over the spot whence the mark-stone has been removed.

In consequence of changes in the boundaries of districts, etc., any station in the return which has changed its district should be noticed and correct district entered against it in the return.

After filling in the last two columns, the return should be sent, as soon as possible after 1st January, to the Superintendent, Trigonometrical Surveys, Dehra Dun.

As the funds available for the protection of stations do not allow of a greater average expenditure than Rs. 4 or 5 per station annually, the repairs should be restricted to the protective measures detailed above.

The following abbreviations are generally employed after the Survey names of stations:—

H. S. denotes Hill Station (Principal).	h. s. denotes hill station—Secondary.
P. S. „ Platform Station (Principal).	s. denotes station—Secondary.
S. „ Station „	t. s. denotes tower station—Secondary.
T. S. „ Tower Station „	

KOLAR DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka Thana	Names of nearest villages
1939	Ambajidurga, H. S.	Ambajidurga ...	Upparpet ...	Sidlaghatta now Chintamani Taluka.	Waddarpalli, Kavalgadurga, Chorapalli and Konapalli.
1940	Bandapalle H S.	Bandapallibetta	Bandapalli ...	Mulbagal Taluka	Reddipalli, Edahalli, Honnasettihalli, Vurukunte and Mittur.
1941	Bhupatamma, H. S.	Bhupattammabetta.	Ulerhalli ...	Malur Taluka...	Virakaputra, Somasandra and Thimmanaikanhalli.
1942	Chikkapalli, h. s.	Chikkapalli ...	Chikkapalli ...	Sidlaghatta now Chintamani Taluka.	Yerranaganahalli, Mittameri and Sadali.
1943	Itikaldurga, h. s.	Devêkunte ...	Devêkunte ...	Bagapalli Taluka.	Margankunte and Thangedikunte in British Territory.
1944	Kolar, H. S. ...	Paparaganahallidurga, belonging to the Kolar Range.	Paparaganahalli	Kolar Taluka...	There are no villages in the vicinity.
1945	Konkontlu, h. s.	Siddarmallibetta	Bodimpalli ...	Sidlaghatta now Chintamani Taluka.	Munganhalli, Bettalahalli, Kodigallu and Iragampalli.
1946	Kurudamale, H. S.	Kurudamallêbetta.	Kurudamalle ...	Mulbagal Taluka	Madagatta, Siddagatta, Rachabandihalli and Arehalli.
1947	Nandydroog, h. s.	Nandydroog ...	Sultanpet ...	Chikballapur Taluka.	Nandi, Kadavati and Viranahalli.
1948	Rahmanghar, h. s.	Rymandurga ...	Hosapet near Kaivara.	Sidlaghatta now Chintamani Taluka.	Kaivara.
1949	Yerrakonda, H. S.	Byatarayanahalli betta.	Byatarayanahalli.	Betmangala now Bowringpet Taluka.	Madamangala, Doddakallahalli, Kempapura, Chambarsanahalli and Lakkinayakanahalli.

From

P. F. BOWRING ESQUIRE., J. P.,
Deputy Commissioner,
Kolar District.

To 11-1-14
The Secretary
to the Govt of Mysore
Bangalore

Dated 8-1-14

Despatched 10

Received

General No. 168
No.

Enclosure No. 1

Subject

Submitting a Statement showing the Condition of the Trigonometrical Survey Station No. 1949 in Bowringpet Taluk for the Calendar year 1913.

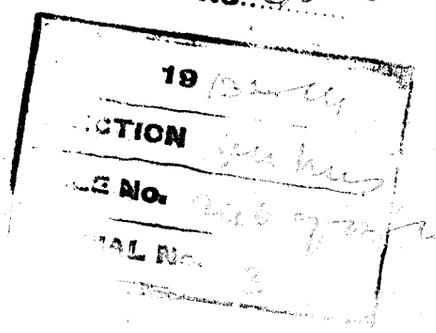
GPB—50,000—8-1-13

KOLAR DISTRICT,

Dated Camp the 9th January 1914.

10

DIARY No. 4653



FROM

P. F. BOWRING, ESQUIRE., J. P.,
Deputy Commissioner,
Kolar District.

To K. R. Srinivasa Iyengar Esquire M.A.
Secretary to Government of H.H.
The Maharaja of Mysore
General & Revenue depts.
Bangalore.

SIR,

In continuation of my letter No. 167 dated 7th instant, I have the honor to forward herewith a statement showing the Condition of the Trigonometrical Survey Station No. 1949, in Bowringpet Taluk, for the Calender Year 1913.

I have the honor to be
Sir,
Your most obedient Servant
A. [illegible]
Treasury Assistant. Comm.
for D. Nonimessenger
Kolar dist.
(absent from Station)

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
Report as to the Conditions of These Stations (Nos. 1939 to 1948) was submitted with this Office letter No. 167 of 7th January 1914			
Reported to be in good Condition			

MGP—100—8-3-09.

Dated 9th January 1914

A. B. —— by /
for Commissioner
Kolar District

KOLAR DISTRICT.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

Measures necessary for the protection of Stations.

	DESCRIPTION OF STATION.		PROTECTIVE MEASURES.
1.	Hollow Towers of Pakka masonry.	1.	Stop all cracks; close the trap door; block up the windows and the doors in the basement; and should the roof fall in, shape the debris in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones in the form of a pyramid.
2.	Solid Towers of Kacha masonry, with a central solid Pakka pillar.	2.	Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3.	Solid Towers of Kacha masonry, with a central perforated Pakka pillar.	3.	Adopt the same precautions as in 2, and close the passages leading to the ground level mark stone with earth and stones if open.
4.	Low platforms of Kacha materials with a central solid Pakka pillar.	4.	Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5.	Pakka pillars, circular above and square below.	5.	Close the passages leading to the mark-stones with earth and mud and prevent water lodging near the base of the pillar.
6.	Pakka pyramidal pillars.	6.	Cover over with earth and stones as in 4.

NOTE.

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the debris is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high over the spot whence the mark-stone has been removed.

In consequence of changes in the boundaries of districts, etc., any station in the return which has changed its district should be noticed and correct district entered against it in the return.

After filling in the last two columns, the return should be sent, as soon as possible after 1st January, to the Superintendent, Trigonometrical Surveys, Dehra Dun.

As the funds available for the protection of stations do not allow of a greater average expenditure than Rs. 4 or 5 per station annually, the repairs should be restricted to the protective measures detailed above.

The following abbreviations are generally employed after the Survey names of stations:—

H. S.	denotes Hill Station (Principal).	h. s.	denotes hill station—Secondary.
P. S.	„ Platform Station (Principal).	s.	denotes station—Secondary.
S.	„ Station „	t. s.	denotes tower station—Secondary.
T. S.	„ Tower Station „		

KOLAR DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka Thana	Names of nearest villages
1939	Ambajidurga, H. S.	Ambajidurga ...	Upparpet ...	Sidlaghatta now Chintamani Taluka.	Waddarpalli, Kavalgadurga, Chorapalli and Konapalli.
1940	Bandapalli, H S.	Bandapallibetta	Bandapalli ...	Mulbagal Taluka	Reddipalli, Edahalli, Honnasettihalli, Vurukunte and Mittur.
1941	Bhupatamma, H. S.	Bhupattammabetta.	Ulerhalli ...	Malur Taluka...	Virakaputra, Somasandra and Thimmanaikanhalli.
1942	Chikkapalli, h. s.	Chikkapalli ...	Chikkapalli ...	Sidlaghatta now Chintamani Taluka.	Yerranaganahalli, Mittameri and Sadali.
1943	Itikaldurga, h. s.	Devêkunte ...	Devêkunte ...	Bagapalli Taluka.	Marganhunte and Thangedikunte in British Territory.
1944	Kolar, H. S. ...	Paparaganahallidurga, belonging to the Kolar Range.	Paparaganahalli	Kolar Taluka...	There are no villages in the vicinity.
1945	Konkontlu, h. s.	Siddarmallibetta	Bodimpalli ...	Sidlaghatta now Chintamani Taluka.	Munganhalli, Bettalahalli, Kodigallu and Iragampalli.
1946	Kurudamale, H. S.	Kurudamallêbetta.	Kurudamalle ...	Mulbagal Taluka	Madagatta, Siddagatta, Rachabandihalli and Arehalli.
1947	Nandydroog, h. s.	Nandydroog ...	Sultanpet ...	Chikballapur Taluka.	Nandi, Kadavati and Viranahalli.
1948	Rahmanghar, h. s.	Rymandurga ...	Hosapet near Kaivara.	Sidlaghatta now Chintamani Taluka.	Kaivara.
1949	Yerrakonda, H. S.	Byatarayanahalli betta.	Byatarayanahalli.	Betmangala now Bowringpet Taluka.	Madamangala, Doddakallahalli, Kempapura, Chambarsanahalli and Lakkinayakanahalli.

1914

From
The Deputy Commissioner
Chitral dep^t^ Chitral

To 11.1.14
The Secretary to Govt
Genl & Revn Depts
Rawalpindi

Dated

Despatched 9th January 1914

Received

General No. 263
No.

Enclosure No. 8

Submitting the annual return showing the Condition of the Station of the Local Trigonometrical Survey in this State for the year 1913.

GPE—50,000—8-1.13

Chitaldrug District.

Dated Chitaldrug, 9th January 1914.

From

V. R. Thyagaraja Iyer Esquire M.A.,

Deputy Commissioner,

C h i t a l d r u g.

DIARY NO. 4654

1913-14

SECTION Gen Rev

FILE No. 246 9 B

4

To

K. R. Srinivasiengar Esquire M.A.,

Secretary to the Government of

H. H. the Maharaja of Mysore,

Genl: and Rev: Departments,

B a n g a l o r e.

S I R,

I have the honor to submit herewith the annual return showing the condition of the stations of the great Trigonometrical Survey in this District for the calendar year 1913. Vullarthigudda Station in the Chellakere Taluk was repaired during the year in December last and the marginally noted enclosures are herein enclosed. The Amount has been paid from the permanent advance of the Chellakere Taluk Office and has to be adjusted as per Comptroller's No.7303-10/T.A.D.I.1128-45 dated 30th May 1912.

1. An estimate for Rs. 4 for repairs to be done to the Trigonometrical survey station at Vullarthi in the Chellakere Taluk.
2. Measurement bill for Rs. 4/-.
3. Payee's receipt for Rs. 4 in vernacular testified by the Shekdar.
4. An English Translation of the above.
5. Completion certificate.
6. Consolidated bill for the cost of repairs.
7. Annual return submitted by the Amildar in original.

I have the honor to be,

S I R,

Your most obedient servant,

Treasury Assistant Commissioner,

For Deputy Commissioner,

(Absent from Station)

CHITALDRUG DISTRICT.

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
Good			
Good			
good			
good			
good			
Good			
Good Recently repaired			
Good			
Good			

GPB—100—27-4-09.

for Deputy Commissioner
Chitaldrug district

CHITALDRUG DISTRICT.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

Measures necessary for the protection of Stations.

Description of Station.	Protective Measures.
1. Hollow Towers of *Pakka* masonry.	1. Stop all cracks; close the trap-door; block up the windows and the doors in the basement; and should the roof fall in, shape the *debris* in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones in the form of a pyramid.
2. Solid Towers of *Kacha* masonry, with a central solid *Pakka* pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of *Kacha* masonry, with a central perforated *Pakka* pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark-stone with earth and stones if open.
4. Low platforms of *Kacha* materials with a central solid *Pakka* pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. *Pakka* pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud, and prevent water lodging near the base of the pillar.
6. *Pakka* pyramidal pillars.	6. Cover over with earth and stones as in 4.

Note.

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when, therefore, a pillar has entirely fallen down, it will suffice if the *debris* is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high over the spot whence the mark-stone has been removed.

In consequence of changes in the boundaries of districts, etc., any station in the return which has changed its district should be noticed and correct district entered against it in the return.

After filling in the last two columns, the return should be sent, as soon as possible after 1st January, to the Superintendent, Trigonometrical Surveys, Dehra Dun.

As the funds available for the protection of stations do not allow of a greater average expenditure than Rs. 4 or 5 per station annually, the repairs should be restricted to the protective measures detailed above.

The following abbreviations are generally employed after the survey names of stations:—

H. S. denotes Hill Station (Principal).	h. s. denotes hill station (secondary.)
P. S. „ Platform Station „	s. „ station „
S. „ Station „	t. s. „ tower station „
T. S. „ Tower Station „	

CHITALDRUG DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
725	Batigudda, h. s.	Bathigudda ...	Doddabathi ...	Davangere Taluka.	Halebathi, Nilanahalli and Doggahalli.
726	Guhesvar, h. s.	Guheswarana-gudda.	Chippenakere...	Chitaldrug Taluka.	Chukamanahalli and Chippenakere.
727	Hotaigudda, h. s.	Hottigudda, Malasingana-halli, Vujan-gudda.	Kumbaiyana-gutta.	Holalkere Taluka.	Nandanahosuru, Ghantihosa-halli, Talya, etc.
728	Jogimardi, h. s.	Jogimatti ...	Chitaldrug ...	Chitaldrug Taluka.	Vupalakanahalli Kurubarmardi-kere, Sundi-kolla and Kunchigana-hal.
729	Kalangavi, h. s.	Kallangere ...	Jammapura ...	Hosadurga Taluka.	Rangapura, Basavapura and Mudda-pura.
730	Shigakal, h. s.	Sigakalgudda ...	Bharmanaya-kandrug.	Holalkere Taluka.	Tyajadahalli and Muttugada-vuru.
731	Talak, h. s. ...	Vullartigudda...	Vullarti ...	Chellakere Taluka.	Dodda Vularti, Talak, Giria-manahalli, Chikka Vularti and Timman-halli.
732	Utarigudda, h. s.	Vutharigudda or Timmappana-gudda.	Ittigehalli ...	Hosadurga Taluka.	Venukalgudda and Ittigehalli.
733	Yennekal, h. s.	Venukaldrug ...	Venukaldrug ...	Hiriyur Taluka	Venukalgudda.

From

The Deputy Commissioner,

Shimoga District.

To The Secretary

to the Government of Mysore,

General and Revenue Departments.

Dated 15th January 1914.

Despatched

Received

General No. 294

No. R.163

Enclosure No. one

Submits return of Trignometrica

Survey for the year 1913.

GPB—50,000—26-9-12

No. 10 294 Rev/1 Office of the Deputy Commissioner,
R.163 Shimoga District,
Dated Shimoga 15th January 1914.

DIARY No. 4798

19/3-19

From

K.Matthan,Esquire.,B.A.,
Offg.Deputy Commissioner,
Shimoga District.

To

K.R.Srinivasa Iyengar,Esquire.,M.A.,
Secretary to the Government of Mysore,
General and Revenue Departments,
Bangalore.

Sir,

I have the honour to submit herewith the return showing the condition of the pillars,towers or platforms marking the principal and secondary stations of the Trignometrical Survey for the calander year 1913.

I have the honour to be,
Sir,
Your most obedient servant,

Offg.Deputy Commissioner,
Shimoga District.

B.B.

SHIMOGA DISTRICT.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

for the Calander year 1913.

Measures necessary for the protection of Stations.

DESCRIPTION OF STATION.	PROTECTIVE MEASURES.
1. Hollow Towers of Pakka masonry.	1. Stop all cracks; close the trap door; block up the windows and the doors in the basement; and should the roof fall in, shape the debris in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones in the form of a pyramid.
2. Solid Towers of Kacha masonry, with a central solid Pakka Pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of Kacha masonry, with a central perforated Pakka Pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark stone with earth and stones if open.
4. Low platforms of Kacha materials with a central solid Pakka Pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. Pakka Pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud and prevent water lodging near the base of the pillar.
6. Pakka pyramidal pillars.	6. Cover over with earth and stones as in 4.

NOTE.

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the debris is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high over the spot whence the mark-stone has been removed.

In consequence of changes in the boundaries of districts, etc., any station in the return which has changed its district should be noticed and correct district entered against it in the return.

After filling in the last two columns, the return should be sent, as soon as possible after 1st January, to the Superintendent, Trigonometrical Surveys, Dehra Dun.

As the funds available for the protection of stations do not allow of a greater average expenditure than Rs. 4 or 5 per station annually, the repairs should be restricted to the protective measures detailed above.

The following abbreviations are generally employed after the Survey names of stations:—

H. S. denotes Hill Station (Principal)	h. s. denotes hill station—Secondary.
P. S. ,, Platform Station (Principal)	s. denotes station—Secondary.
S. ,, Station ,,	t. s. denotes tower station—Secondary.
T. S. ,, Tower Station ,,	

SHIMOGA DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
2978	Ambargudda h. s.	Ambargudda ...	Maratti ...	Sagar Taluka ...	Nagodi, Kolurur, Kodanavalli and Adagalatti.
2979	Badankatte, h. s.	Tirumala Timmappanagudda	Barnakatte ...	Sorab Taluka ...	Tadanur, Anavatti and Kubatur.
2980	Bisale, H. S.	Hulugudda Hill	Hossur ...	Tirthahalli Taluka.	Hurali, Sunkadaguli, Megaravalli and Hossur.
2981	Chandragutti, H. S.	Chandragutti	Chandragutti ...	Sorab Taluka ...	Baragavalli, Igodu and Kodambi.
2982	Dindemane, H. S.	Dindimanigudda	Karur ...	Sagar Taluka ...	Konnanmakki.
2983	Honnavalli, H. S.	Hanavalligudda.	Hanavalli ...	Sorab Taluka ...	Barur, Indavalli, Kannur and Hulikatte.
2984	Hugadi, H. S.	Hugadigudda ...	Hugadi ...	Nagar Taluka ...	Nagarahalli ....
2985	Kalavarangan, h. s.	Kalabirigudda	Issarapura ...	Honnali Taluka	Yeraganahalu, Chimkatta and Belagutta.
2986	Kalingrayan, h. s.	Kalingaroy ...	Halasinavaravu	Channagiri Taluka.	Ubrani ...
2987	Kodashadri, H. S.	Kadachadri-parvata.	Vallurmane ...	Sagar Taluka ...	Vallurmane, Muddur in South-Canara, Kattinahole and Kollur.
2988	Koramur, H. S.	Kormargudda	Nijagar Khandaka.	Sagar Taluka ...	Tumbibahalli.
2989	Siddeshvar, H. S.	Siddesvaragudda.	Surali Balebail.	Tirthahalli Taluka.	Surali, Balebail, Tirthahalli, Sivarajapura and Amballike.
2990	Timmappanagudda, h. s.	Timmappanagudda.	Balanayakanahalli.	Channagiri Taluka.	Basavapatna ...
2991	Vimaldi, h. s.	Udamardi ...	Kudagalmani ...	Shimoga Taluka	Settihalli and Heggalatti.

13 11/11 January 1914
Shimoga-3

SHIMOGA DISTRICT.

Condition of station	Estimated cost of repairs		
	Rs. a.	a.	p.
good			
good	.	.	.
good	.	.	.
good	.	.	.
good	.	.	
good	.	.	.
good	.	.	.
good. Necessary repairs have been executed at a Cost of Rs 1-4-	1	4	.
good	-	-	-
good	-	-	-
good	-	-	-
good	.	-	-
good	-	-	-
good. The rank Vegetation in the locality has been cleared at a Cost of Rs 1-8-0	1	8	.

Mantry.
Deputy Commissioner
Shimoga District

1913-14

From

The Deputy Commissioner

Kachin District

To

The Secretary to the

Govt of Burma

Gen & Rev.

Dated 14-1-1914. Depts.

Despatched 15-1-1914

Received

General No. 330

No.

Enclosure No. 1 Stt & 1 Circ

with vouchers.

Submits annual report

on the conclusions of

the Great Trigonometrical

Survey stations in

the Kachin Dt for 1913.

———o———

Kadur District Office.

Dated Chikmagalur 14th. January 1914

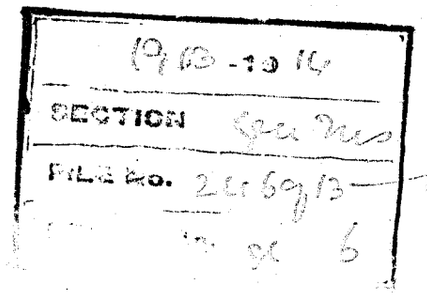
DIARY No. 480/

From

B.Ramaswamiya Esq.B.A.B.L.

Offg. Deputy Commissioner

Kadur District.



To

K.R.Srinivasa Iyengar Esq.M.A.,

Secretary to the Govt. of H.H.The

Maharaja of Mysore,Bangalore.

Sir,

I have the honor to submit herewith the annual report on the conditions of the Great Trigonometrical survey Stations in the Kadur District for the Calendar year 1913.

2. A consolidated bill for Rs 3-2-o together with a voucher in support of the payment,received from the Mudgere Taluk for repairing the station No.1771,Bellalaroyanadrug,is herewith submitted for favour of sanction as desired in Govt. order No.G677-85/G.M.223-12-4o d 25-7-1913.

Received this bill & voucher

I have the honor to be,

Sir,

Your most obedient servant.

for Offg Deputy Commissioner

Kadur District.

KADUR DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
1770	Anur, H. S. ...	Rangaswamigiri	Hanucharvalle	Chikmagalur Taluka.	Mavinguni and Busgode.
1771	Ballalrayan-durga, h. s.	Balalarainadurga	Dugadahalli ...	Mudgere Taluka	Balige and Dugudahalli of Melbangadi Magani.
1772	Hebbe, H. S....	Hebbe ...	Hebbe ...	Chikmagalur Taluka.	Koragalli and Hebbe.
1773	Hiregudda, H. S.	Hiregudda ...	Hiregudda ...	Koppa Taluka	Yelamalalu and Sollebile Bag-gunji Magani.
1774	Valkunji, H. S.	Walkunji ...	Vurvani (Mudba)	Koppa Taluka	Kerekutta and Vurvani.

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
Reported to be in good Condition			
Reported to be in good Condition. This station was repaired at a cost of Rs 3-2-0 and the final bill submitted herewith			
Reported to be in good condition			
Reported to be in good condition			
Reported to be in good condition			

GPB—100—17-5-09.

maigalur
13th January 1911

Macaninoll Assistant
for Dy: Deputy Commissioner
Kadur District

No. 624. 24

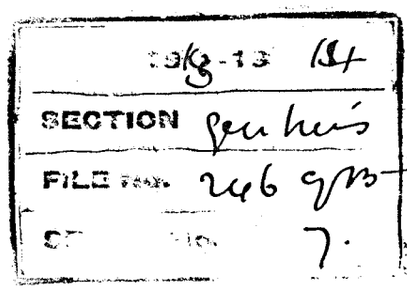
FROM

P. B. WARBURTON, ESQ., I. C. S.,
FIRST ASSISTANT TO THE RESIDENT IN MYSORE.

QUALITY No. 5274

To

The Dewan of Mysore.



Dated Bangalore, 26th January 1914.

SIR,

Sec 198-08-1
Mys R

I am directed to invite a reference to this office letter No. 6676, dated the 11th December 1908, and to request that the Report on the conditions of the Great Trigonometrical Survey Stations in the districts of the Mysore State for the year 1913 may be forwarded to this Residency at an early date.

I have the honour to be,

Sir,

Your most obedient servant,

P B Warburton

First Assistant Resident.

MJ

R. O. 2.—R P. B.—12-1913.—500.

1913-1916
SECTION
246 916

Office of the Deputy Commissioner,
Tumkur District,
Dated, Tumkur, 22nd January 1914.

From.

B.J. Kumarasami Naik, Esq., B.A.
Deputy Commissioner, Tumkur District.

To

K.R. Srinivasiengar, Esq., M.A.,
Secretary to the Government of His Highness
the Maharaja of Mysore, Genl and Revenue Depts.,

Sir,

I have the honour to forward herewith duly counter-signed two estimates for Rs. 4/- each in respect of the slight re-pairs needed to the Trignometrical Survey Stations at Seethakal and Ramadevarabetta of the Tumkur Taluk. The Tumkur Sub-Division Officer states in his docket No. 413 of the 7th instant that some slight repairs to these stations in the shape of resetting the plat form stones with a little mud and chunam plaster are required for which estimates are now submitted. I request that sanction of Government may kindly be obtained for getting the necessary repairs executed at an early date.

I have the honour to be,
Sir,
Your most obedient servant,

Assistant Commissioner,
for Deputy Commissioner,
absent from station.

From The Deputy Commissioner Tumkur District

To The Secretary to the Govt of Mysore Genl and Rev: Depts.

Dated Tumkur 22nd January 1914

Despatched 23.

Received

General No. 374

No. 8.

Enclosure No. Two

Forwards for sanction 2 Estimates for Rs 41- each in respect of the slight repairs needed for the Trigonometrical Survey Stations at Seetakal and Ramadevara betta of the Tumkur Taluk.

GPB—50,000—8-1-13

No. S. 5-81

Dated, Bangalore 26th January 1914.

27

From,

K. Chandy Esquire B.A.
Deputy Commissioner
Bangalore District.

DIARY No. 5343

1913-14
Genl
246 of 1913-14
9.

To,

K. R. Sreenivasa Iyengar Esquire M.A.
Secretary to the Government of Mysore
General and Revenue Departments
Bangalore.

Sir,

I have the honor to forward herewith the statement showing the condition of the great Trigonometrical Survey stations in the Bangalore District for the year ending 31st December 1913.

2. The stations No. (311) Uyaldinne, (315) Geddahalli H. S. (318) Nanni S. and (321) Machal betta S. in the Bangalore Taluk, (316) Gubbi S. (323) Mandur, H. S. and (324) Nandigudi H. S. in Hoskote Taluk (322) Nallidurga, H. S. in Doddaballapur Taluk and (317) Halaswobetta H. S. in the Devanahalli Taluk, are reported to require petty repairs. Estimates for the repairs of the above stations excepting those at Bangalore are submitted herewith for sanction.

3. The Estimates for the repairs of

From

The Deputy Commissioner

Bangalore District

To

The Secretary to Government

Genl & Revenue Depts

Dated 26-1-14

Despatched 27-1-14

Received

General No. Y 8-81.

No.

Enclosure No. 6.

Forwards a statement showing the Conditions of the Great Drainage Stations in this district for the year ending 31st Dec 13.

of the stations No. 311, 315, 318 and 321 in the Bangalore Taluk, will follow -

29

I have the honor to be,
Sir,
your most obedient Servant,
Employ of the
for Deputy Commissioner
Assistant Commissioner
Bangalore District.
absent from Station

BANGALORE DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
307	Banatimari-betta, H. S.	Banante-mari betta.	Kotkonhalli ...	Kankanhalli Taluka	Kotkonhalli.
308	Bangalore Base-line, N. E. End. S.	Kannur ...	Kannur ...	Hoskote Taluka	Chota Gubbi.
309	Bangalore Base-line, N. End. s.	Banasavadi ...	Banasavadi ...	Bangalore Taluka.	Channasandra.
310	Bangalore Base-line, S. End. s.	Harlur ...	Harlkunte ...	Bangalore Taluka.	Harlur.
311	Bangalore Base-line S. W. End. S.	Uyal-dinne	Uyal-Kaval.	Bangalore Taluka	On the north of the Bangalore Cantonment.
312	Bannergatta, H. S.	Bannergatta ...	Bannergatta ...	Anekal Taluka	Sampigehalli & Bairappanahalli.
313	Basavangudda, h. s.	Kodugpalli ...	Kodugpalli ...	Bangalore Taluka.	Kodugpalli.
314	Doddagunta, s.	Doddagunta ...	Doddagunta ...	Civil & Military Station of Bangalore.	Jibanahalli.
315	Geddahalli, h. s.	Gadalhalli ...	Gadalahalli ...	Bangalore Taluka.	Gadalahalli.
316	Gubbi, s. ...	Kalsanhalli ...	Kalsanhalli ...	Hoskote Taluka.	Chota Gubbi.
317	Halasurbetta, H. S.	Alasur Hill ...	Betta Alasur ...	Devanhalli Taluka.	Jodi Kadaguna-halli, Bilmaran-halli and Sin-appanahalli.
318	Hennur, s. ...	Hennur ...	Hennur ...	Bangalore Taluka.	Hennur.

BANGALORE DISTRICT.

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
Good Condition	-	-	
Good Condition	-	-	
Good Condition -	-	-	
Good Condition	-	-	
Wants petty repair	-	-	Estimate will follow
Good Condition	-	-	
Good Condition	-	-	
Wants petty repairs			Estimate will follow
Wants petty repairs	5	-	-
— do —	5	-	-
— do —	-	-	Estimate will follow

BANGALORE DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
319	Kalkote, h. s....	Kulkota ...	Kulkota ...	Dodballapur Taluka.	Varavani and Manchenahalli.
320	Koppabetta, H. S.	Koppabetta ...	Kotakuppa ...	Kankanhalli Taluka.	Arakoppa and Dodkuppa.
321	Machalbetta, s.	Lingarajpura...	Between Lingarajpura and Dodkunte.	Bangalore Taluka.	Lingarajpura.
322	Maklidurga, H. S.	Maklibetta ...	Makli ...	Dodballapur Taluka.	Somenahalli, Makli, Gundangiri and Kumbalahalli.
323	Mandur, H. S.	Dodgutta ...	Mandur ...	Hoskotē Taluka	Gundur and Baiyappanahalli.
324	Nandigudi, H. S.	Nandigudi ...	Nandigudi ...	Hoskote Taluka	Banahalli.
325	Sampigehalli, t. s.	Sampgehalli ...	Sampgehalli ...	Bangalore Taluka.	Sriramapuram and Sampgehalli.
326	Savandurga, H. S.	Savandurga ...	Karisavandurga near Basavana Temple.	Magadi Taluka	Nillapatna Kalyana Devara Matt and Nargikanpalya.
327	Thirthapalli, H. S.	Tirthalli ...	Tirthalli ...	Hoskote Taluka	Jodi Tagli, Hoshalli.
328	Turukungutta, H. S.	Turkangutta	Doddanskundi	Bangalore Taluka.	Sitaramappanapalya.

BANGALORE DISTRICT.

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
Good Condition			
Good Condition	-	-	-
Wants petty repairs			Estimate will follow
Wants petty repairs	2	8	
— do —	5	-	
— do —	5	-	-
Good Condition			
Good Condition			
Good Condition			
Good order			

GPB—100—4-5 09

DEPUTY COMMISSIONER'S OFFICE,
BANGALORE DISTRICT,
DATED, BANGALORE 26-1-14.

for Deputy Commissioner,
Bangalore District.

finally Trignometrical Station. ? NO 316 31

Details of work	No	Dimensions L	B	D	Contents		
Earth to Pyramid on platform	Lump Sum				16	cyds	16
Jungle clearing	1	36	36	"	1296		
Deduct plat form	1	16	16	"	256		
		Balance			1040	Sqft	1040

Abstract

Items	Per	Rate	Quantity	Cost
Earth work	cyds	2.	16	2.
Jungle clearing	Sqft.	½	1040	3
	Total	Rs		5

Hafasi Kamimura
Moore
Tank Inspector
6/24-12-13

D. Samarasekera
Amildar 29/12

Countersigned for rupees five only

Amildar 4/1

D/ 6-1-14 Dy. Commissioner

Estimate of the portion of task of repairing Trigonometrical Survey station. Hosakote Taluk

No 3

Details of work	No	Dimensions L	B	D	Contents		
Earth work to Pyramid on plat form					16	cyds	16
	Lump Sum				Rupee		200
Jungle clearing		36	36	"	1296		
Deduct plat form		16	16	"	256		
		Balance			1040	Sqft	1040

Submitted for sanction

Abstract

By Overseer

Dated 16th Dec 1913

Sanctioned by Superintending Engineer

No 333 dated 19th Dec 1913

Items	Per	Rate		Quantity		Cost	
Earth work	cyds	"	2	-	16	2	
Jungle clearing	sqft	-	-	1/24	040	3	
	Total	Rupee				5	

Thogasi Kamanna
Mootr
Tank Inspector
23-12-13

N Sowmya Rao
Amildar 29/12/13

Trigonometrical Survey Station, Hosakote Taluk

M 8224

Details of work	No	Dimensions L	B	D	Contents		
Old stone work							
Resetting plat form	4	15	1	3/4	45	cft	45
Jungle clearing	1	30	30	.	900		
Deduct plat form	1	16	16	.	256		
		Balance			644	sft	644

Conservancy for keeping in repair

Surveyed by Commissioner

Bangalore

Dy 6-1-1914

Abstract

Items	Per	Rate		Quantity	Rs	As
Old stone work	cft	-	1	45	3	
Jungle clearing	sft	"	1/2	644	2	
		Total	Rupees		5	

Assistant Commissioner
Moore
Tank Inspector
dy 22-12-13

Amildar 28/12

Survey Station at Bella Aboor Devanhalli Taluk

Details of work	No	Dimensions L	B	D	Contents	Total
Plastering with chunam						
Sides of the Pillar	4	1½+2½ R		5 3/4	30	
Surface of the Platform	1	10	10	-	100	
Total					130	
Deduct the portion of the pillar	1	3	3	-	9	
Balance after deduction sft						1·21
Forming the slopes of the Platform with gravel including watering, tamping etc	4	13	3	½	78	
Total c ft						78

Abstract

Items of work	per	Rate	quantity	Cost	Total
Plastering with chunam	sqr	3 . .	1·21	3-10-0	
Forming the slopes of the Platform with gravel	c ft	0 . . 3	78	1-4-0	
contingencies				0-2-0	
Total Rs					5

M. Gundu Rao
Tank Inspector

Countersigned for rupees five only

Amildar

D/ 6-1-1914 [illegible] D/ Commissioner Bangalore

Items of work	Per	Rate	Quantity	Amount
Repairing the pillar with Chunam plaster	Rupees			2 00
Do to the plat-form	Do			0 80
Grand total	Rupees			2 80

Dated 25th December 1913

Pedlellapeer

P. Abdeer Rahiman

Town Inspector

Examined

Amildar

Countersigned for Rupees two and annas eight only

Dt 6-1-1914

Dy Commissioner

Bangalore

26

Estimate of the Probable cost of repairing the Trigonometrical Survey Station at Mallidrug. Erected upon Pallimt. -

Detail of work	No	Dimension	Contents	Total
Repairing the Pillar with Chunam plaster. -		Length	on ———	Rs 2/-
——— on ——— for the platform.		———	on ———	Rs 0—8—

1913-14

From P. R. V. Vetticrall Esqre.
Deputy Commissioner.
Hassan District

To K. R. Srinivasaiengar Esqre. Asst
Secretary to the Government of
His Highness the Maharaja of Mysore
General and Revenue Depts:
Bangalore.

Dated 28th
Despatched 30th } January 1914.

Received

General No. 270
No. S.

Enclosure No. 4.

Subject.

Submitting a Statement showing the Condition of the Trigonometrical Survey Stations in the Hassan District during the year 1913 and a bill etc for repairs.

GPB—50,000—26-9-12

Deputy Commissioner's Office,
Hassan District
Dated 28th January 1914.

5400.

From,

P. R. V. Wetherall, Esquire,
Deputy Commissioner
Hassan District.

1913-1914
Genl
Rec'd 13-14
10

To,

K. R. Srinivasa Iyengar Esquire M.A.
Secretary to the Government of
His Highness the Maharaja of Mysore,
General and Revenue Departments,
Bangalore.

Sir,

I have the honor to Submit, herewith, a Statement Showing the Condition of the Trigonomstrical Survey Stations in the Hassan District during the Year 1913.

2. A Consolidated bill for repairs executed to the Station at Mallappanabetta in the Hassan Taluk, together with the Estimate and duplicate Voucher for annas four is also herewith Submitted.

I have the honor to be
Sir,
Your most obedient Servant.

P. R. V. Wetherall

Deputy Commissioner
Hassan District

Received
Issued
Sent a speaker
Wetherall

HASSAN DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
1454	Desani, h. s. ...	Desaingudda, (Dodchinginabetta).	Desani ...	Arsikere Taluka	Kurudahalli, Handrahalli and Kallyadi.
1455	Kittavar, H. S.	Kittavaradagudda.	Anughatta ...	Belur Taluka ...	Salavara.
1456	Mallappanabetta, h. s.	Mallesvarabetta	Bijemarnahalli	Hassan Taluka	Mavanur.
1457	Nughallibetta, H. S.	Joginathgudda	Nughalli ...	Channarayapatna Taluka.	Nughalli.
1458	Satanhalli, H. S.	Satenahallibetta	Satenahalli ...	Hole-Narsipur Taluka.	Satenahalli.

Deputy Commissioner's office
Hassan District—
Dated, Hassan 28th January 1914

HASSAN DISTRICT

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
Reported to be in good Condition	—	—	—
Reported to be in good Condition	—	—	—
Reported to be in good Condition	—	—	—
Reported to be in good Condition	—	—	—
Reported to be in good Condition	—	—	—

GPB—100—20-4 09.

H. W. Wetherall
Deputy Commissioner
Hassan District

HASSAN DISTRICT.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

Measures necessary for the protection of Stations.

Description of Station.	Protective Measures.
1. Hollow Towers of *Pakka* masonry.	1. Stop all cracks; close the trap door; block up the windows and the doors in the basement; and should the roof fall in, shape the *debris* in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones in the form of a pyramid.
2. Solid Towers of *Kacha* masonry, with a central solid *Pakka* pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of *Kacha* masonry, with a central perforated *Pakka* pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark-stone with earth and stones if open.
4. Low platforms of *Kacha* materials with a central solid *Pakka* pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. *Pakka* pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud, and prevent water lodging near the base of the pillar.
6. *Pakka* pyramidal pillars.	6. Cover over with earth and stones as in 4.

Note.

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the *debris* is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high over the spot whence the mark-stone has been removed.

In consequence of changes in the boundaries of districts, etc., any station in the Return which has changed its district should be noticed and correct district entered against it in the Return.

After filling in the last two columns, the Return should be sent, as soon as possible after 1st January, to the Superintendent, Trigonometrical Surveys, Dehra Dun.

As the funds available for the protection of stations do not allow of a greater average expenditure than Rs. 4 or 5 per station annually, the repairs should be restricted to the protective measures detailed above.

The following abbreviations are generally employed after the survey names of stations:—

H. S.	denotes Hill Station (Principal).	h. s.	denotes hill station (secondary.)
P. S.	,, Platform Station ,,	s.	,, station ,,
S.	,, Station ,,	t. s.	,, tower station ,,
T. S.	,, Tower Station ,,		

From The Deputy Commissioner
Mysore District

To The Secretary to Government
Genl & Rev depts

Dated

Despatched 31. 1. 14

Received

General No. 527
No.

Enclosure No. /

Submits Inspection
Report of the trigonometrical
Survey Stations for the
year 1913.

GPB—50,000—26-9-12

No 527
1

Office of the Deputy Commissioner

Mysore District,

Dated, Mysore, 31st January 1914.

From

A.Subramanya Iyer Esquire., B.A.,

Deputy Commissioner, Mysore District.

DIARY ... 5438

19/3-1914
SECTION Geo Mis
FILE No. 246 of 13
11

To

K.N.Sreenivasa Iyengar Esquire., M.A.,

Secretary to the Government of Mysore,

General and Revenue Departments.

Sir,

I have the honour to submit herewith the report of inspection of the principal Trigonometrical Survey Stations in the Mysore District for the year 1913.

I have the honour to be,

Sir,

Your most obedient Servant,

Deputy Commissioner

Mysore District.

Mysore District.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

Measures necessary for the protection of Stations.

Description of Station.	Protective Measures.
1. Hollow Towers of Pakka masonry.	1. Stop all cracks; close the trap door; block up the windows and the doors in the basement; and should the roof fall in, shape the debris in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones in the form of a pyramid.
2. Soild Towers of Kacha masonry, with a central solid Pakka Pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Soild Towers of Kacha masonry, with a central perforated Pakka Pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark-stone with earth and stones if open.
4. Low platforms of Kacha materials with a central solid Pakka Pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. Pakka Pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud and prevent water lodging near the base of the pillar.
6. Pakka pyramidal pillars.	6. Cover over with earth and stones as in 4.

NOTE.

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the debris is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high over the spot whence the mark-stone has been removed.

In consequence of changes in the boundaries of districts, etc., any station in the return which has changed its district should be noticed and correct district entered against it in the return.

After filling in the last two columns, the return should be sent, as soon as possible after 1st January, to the Superintendent, Trigonometrical Surveys, Dehra Dun.

As the funds available for the protection of stations do not allow of a greater average expenditure than Rs. 4 or 5 per station annually, the repairs should be restricted to the protective measures detailed above.

The following abbreviations are generally employed after the Survey names of stations:—

H. S.	denotes	Hill Station (Principal)	h. s. denotes hill station—Secondary
P. S.	,,	Platform Station (Principal)	s. denotes station—Secondary
S.	,,	Station ,,	t. s. denotes tower station—Secondary
T. S.	,,	Tower Station ,,	

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
2438	Adhibetta, H.S.	Adhibetta ...	Hatnabettahalli	Mandya Taluka	Hatnabetta
2439	Adhurbetta, H. S.	Adhurbetta ...	Halliur Bedarhalli	Yedatore Taluka	Kuppe Firka near Yedatore
2440	Bettadapur, h. s.	Bettadapuradabetta	Bettadapur ...	Hunsur Taluka	Bettadapura.
2441	Haltibetta, H. S.	Halattibetta ...	Kachenahalli and Halatti	Nagamangala Taluka.	Kenchenahalli and Halatti.
2442	Kundur, h. s.	Kundurbetta...	Kundur ...	Malavalli Taluka	Kundur.
2443	Mysore No. 3 h. s.	Chamundibetta	Chamundibetta and Kundanhalli.	Mysore Taluka	Chamundibetta.
2444	Narayandurga, H. S.	Narayanagiribetta	Sindaghatta...	Krishnarajpet Taluka	Kodihalli, Sindaghatta, Rayasamudra and Harolahalli.

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
is in sound condition requiring no repairs for the present.			
the edges and two corners of the ~~pattan~~ Summit of the pillar are slightly washed off & damaged. This is built of burnt brick in Chunam. This can be repaired & all the four corners of the pillar to a depth of 1½' plastered with Chunam at a cost of Rupees three only.	3	.	.
is in good condition			
is in good condition and not in need of repairs			
is in good condition and does not require any repairs			
is in good condition and does not require any repairs			
is in good order.			

GPB—100—3-12-12

T. V. Krishnaswamy.

Deputy Commissioner Mysore District

1913 · 14 ·

From The Deputy Commissioner
Bangalore District

To The Secretary to the
Government of Mysore
Genl & Rev. Department
Bangalore

Dated 13/
Despatched /14 February 1914.

Received

General No. S. 634
No.

Enclosure No. 4

Forwarding 4 Estimates for repairs
the great Trigonometrical Survey
Stations nos: 315, 318, 311 & 321

Office of the Deputy Commissioner
Bangalore District
Dated, Bangalore 13 Feby 1914

43

No

From,

K. Chandy Esquire B.A.
Deputy Commissioner
Bangalore District.

DIARY NO. 59.24

1913-1916
SECTION Cen Surv
FILE No. 246 of 13-16
FINAL No. T.A. 12

To,

K.R. Sreenivasa Iyengar Esquire M.A. 12
Secretary to the Government of Mysore,
General and Revenue Departments.
Bangalore.

Sir,

In continuation of this Office letter No S 561 dated 20th January 1914 I have the honor to forward herewith four Estimates for repairing the great Trigonometrical Survey Stations Nos 315, 318, 311 and 321 as noted in the margin in Bangalore Taluk.

I have the honor to be
Sir,
Your most obedient Servant.

for Assistant Commissioner
Deputy Commissioner,
Bangalore District.

D/s absent from Station.

* No 311. Kyalakavanahalli Rs 2/-
315. Geddakatally — 2/-
318. Hennur — 2/8
321. Lingarajpur 3/8
(Bangalore Taluk).

Estimate of the probable cost of repairing the Trigonometrical Station at Lingarajpur. Bangalore Dated

Particulars of work.	Quantity of each description of stone required	Dimensions	Rate	Total	Remarks
Boring & filling in hollow portion	1	1' 0" x 1' 0" x 1' 0"	Rs. 1.8	1.8	
Repairing the Pyal with required new stones.	1	do	do	2	
			Total Rupees	3 8	

Dated 30/1/14
Bangalore

Muthuzyakool
Amildar

Estimate of the probable cost of repairing the Magnometrical station at Vijaya Kanal Bangalore Cantt.

No.	Particulars of work	Qty.	Rate	Unit	Cost	Total Cost	Remarks
1	Petty repairs to the station.						
	Contingencies @ 5%						
					Total Rupees	—	

Date the 30/1/14
Bangalore

Executive Engineer
Bangalore

Estimate of the probable cost of repairing the Meteorological Station at Goidhoofahulli. Bompleux Islands.

Particulars of works.	Rs	a	L	S	Units	Total	Rate	Rs	a	Amount
Repairing the Royal with										
Some new stones and earth					Lump Sum					18.
Repairing the Pedestal					do					" 8 "
					Total Rupees					2 --

Dated 1/2/14.
Bompleux

Meteorological Assistant

Estimate of the probable cost of repairing the Trigonometrical Station at Hessaraghatta Bangalore Taluk.

No 318

Particulars of work.	Quantity	Rate	Per	Amount
Repairing the Ryah with required new stones and earth:—	1	Item	Item	2 —
Earthwork filling —		do	—	8.
		Total Rupees		2 8.

Dated 30/1/14
Bangalore

Retrograkoot
Surveyor

963-13-14
SECTION Land Records
FILE No 246 of 1813-14

Office of the Deputy Commissioner
13
Tumkur District.

Dated, Tumkur, 3rd March 1914

From

B. J. Ramaraasami Naik Esqr. B.A.,
Deputy Commissioner
Tumkur District

To. K.R. Srinivasaraya Esqr. M.A.,
Secretary to His Govt of
H.H. the Maharaja of Mysore
Govt and Rev: Depts.

Sir,

In Continuation of my letter No 285 dated the 6th January 1914 reporting on the Conditions of the Trigonometrical Survey Stations for the Year 1913 I have the honor to forward herewith for favour of sanction an Estimate for Rs 18-0 on account of Chunam pointing needed to the Pavagada Hill station as reported by the Amildar in his report No 226 dated the 18th December 1913.

I have the honor to be
Sir
Your most obedient Servant

Deputy Commissioner

returned to the D.C. Tumkur
with G.O. No 6863 S 2/2/15

191

From

The Deputy Comm
Tumkur District

To

The Secretary to Gt
Govt of Mysore
Genl & Rev Depts

Dated Tumkur 3rd March 91

Despatched 6

Received

General No. 861

No. 8.

Enclosure No. 1.

Forwards for Sanction
an Estimate for Rs 1/8
on account of chunam
pointing needed to the Pava
gada Hill Station (Brig.
Station

G. R. S. 26] 6/4 6499

D. O

File No.

Serial No.

Diary No. of letter replied to

No. G 8082

General and Revenue Secretariat

( )

, the *191* .

To

The Dy Com

Kolar Dist.

Date of issue 7/3/14

Signed by Sri S. P. Rajagopalachar

Dear Sir,

I am desired to write refce to your office lr no 107 Q 7th Jan 1914 this office subsequent reminders ending with no. G 7802 Q 24th March 1914 regarding the subm of Estimates for repairs

Reg O

over.

SUBJECT.

51

to certain Irrig. Survey Stations
in your Distt and to
request that the estimates
refd to may kindly be
forwarded at a very
early date - The non-receipt
of the estimates has
caused a delay of more
than 2 months in the
submn. of the consolidated
return to the Presidency.

yours truly

SPOR

List of enclosures

Copied by

Examined by

GPB—25,000—4-3-13

1914.

From B. Ramaswamaiya Sgr. B.A.; B.L.;
Offg. Deputy-Commissioner,
Kolar District.

To K. R. Srinivasa Iyengar, Sgr. M.A.
Secretary to the Govt. of Mysore
General & Revenue Departments
Bangalore

Dated 6th April 1914.

Despatched

Received

General No. 273
No.

Enclosure No. 4

Forwarding 4 estimates for repairing the Trigonometrical Survey Stations in the District

GPB—50,000—26-9-12

2 7 3
4

Deputy Commissioners Office,
Kolar District,
Dated, Kolar 6th April 1914.

From,

B. Ramaswamaiya, Esquire, B.A.; B.L.;
Offg. Deputy Commissioner,
Kolar District.

DIARY NO. 7362
1913-1914
Confl.
File 246 of 18 14
14 3

To.

K. R. Srinivasa Iyengar, Esquire, M.A.
Secretary to the Government of
H. H. the Maharaja of Mysore,
General & Revenue Departments,
Bangalore.

Serial No
Ledger No
1939.
1941.
1943.
1944.

Survey name & station
Anchojidurga.
Bhujabalamane
Hikkaldurga.
Kolar.

Taluk.
Chintamani.
Malur.
Bangalore.
Kolar.

Sir,

With reference to your docket No. G.6709 Genl. 246-13 dated 21st February 1914, I have the honor to forward herewith 4 estimates for repairing the marginally noted Trigonometrical Survey Stations in the District and to request that Sanction of Government may kindly be obtained therefor.

I have the honor to be,
Sir
Your most obedient Servant,

A-D

For Offg. Deputy Commissioner
Kolar District.

BVR

53

Station No. 1939

Estimate for repairing the Trigono-metrical Survey Station on Ambajidroog mountain Hobli Ambajidroog. Taluk. Chintamani.

	Details of work	No.	Dimensions L	B	D.	Area or Contents	Rate Rs.	Total Rs.
1	Constructing the pillar in brick in motar under the stone pedestal and fixing the same -	1	½	2'	4'	16'		
	Lump Sum -							2-0-0.
2	Rough Stone - revetment around the pedestal - Polishing Lump Sum							2-0-0.
						Total cost		Rs.4-0-0.

K. Venkatramaniah
Sheristadar
29-12-13

C.J. Prabhu
31-12-13 Executive

54

Estimate of the probable cost of repairing the Trigonometrical Station no 1944 in malur Taluk.

No	Detail of work	No	measurements			Contents	Per	Rate			Cost
1	Reconstructing the revetment @ the Northern Side of the Station with Stone in mud.	1	7	1½	5	52½	cft	..	1	3	52½ .....
											Total Rs 4/-

Rupees Four only.

Venkata Subbaiah
Sanitary Inspector

Sheristadar

Tahsildar.

ABSTRACT

Items	Per	Rate	Quantity	Amount
1) Rought stone in mud -	C.d.	. 8.	8 1/2	4 4.
2) Filling up earth & gelly in the middle -	Lump Sum		Rs.	. 12.
Total rupees				5 - .

Rupees five only -

S. Ramaswamiah
Tank Inspector
2/1/1914

V. S. Varadarajulu
Amildar
Bagepalli Taluk

L. F. 56 B] 6th class. Estimate of the Probable Cost of Repg: the Great Trignametrical Survey Station at Illukaloroga Forest Bagepalli Taluk. Kolar Disbrict.

Detail of works	No.	Dimensions			Contents	Total
(1) Ronja stone in mud						
Rucka Pyrimidal Pillar -	2	2	1/2	2	4	
Do — Do —	2	2 1/4	1/2	2	4 1/2	
Total					8 1/2	8 1/2 Cds.
(2) Filling up the earth & gelly in the middle of the Pyrymid	Lumpsum Rs—					

Estimate of the probable cost of repairs to be carried out for the Trigonometrical Survey Station at Paparajanahalli in the Kolar Taluk, Kolar District 1914. 5/ Hobli no. 1946

Details	Nos	Dimensions	Quantity		Per	Rate	Cost
Mortar nicely ground -	4	Bandlies.	4	4	each	4	1 . .
Conveyance Charges for the above mortar . .	L. S.		.	.	.	.	. 8 .
One bricklayer to work for a day -	1	. . .	1	1	day	1 4	1 4 .
One Cooley to assist the bricklayer	1		1	1	day	4	. 4 .
Chunam for lime water & repairs to platform		L. S.					. 8 .
					Total amount rupees		3 8 .

Rupees three & annas eight only —

M. Vasudevachar
Sanitary Inspector.

Amildar

R. S. 26]

18/4
1499

K

58 Gen. File No. 246-13.
Serial No. 5

Diary No. of letter replied to

Pol No. 824/aug.

General and Revenue Secretariat
( )
, *the* 191 .

To
The F. A. Resident

Date of issue 21.4.14.

Signed by Sir K. Srinivasaiyangar.

Sir,

I am directed to forward herewith the report on the conditions of the Great Trigonometrical Survey Stations in the several Districts of the State for the year 1913.

I have the

17/4 JP

honour

over.

SUBJECT.

CHITALDRUG DISTRICT.

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
Good			
-do			
-do			
-do			
-do			
-do			
-do recently re-paired			
-do			
-do			

GPB—100—27-4-09.

Trussees

CHITALDRUG DISTRICT.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

Measures necessary for the protection of Stations.

Description of Station.	Protective Measures.
1. Hollow Towers of *Pakka* masonry.	1. Stop all cracks; close the trap-door; block up the windows and the doors in the basement; and should the roof fall in, shape the *debris* in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones in the form of a pyramid.
2. Solid Towers of *Kacha* masonry, with a central solid *Pakka* pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of *Kacha* masonry, with a central perforated *Pakka* pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark-stone with earth and stones if open.
4. Low platforms of *Kacha* materials with a central solid *Pakka* pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. *Pakka* pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud, and prevent water lodging near the base of the pillar.
6. *Pakka* pyramidal pillars.	6. Cover over with earth and stones as in 4.

Note.

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when, therefore, a pillar has entirely fallen down, it will suffice if the *debris* is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high over the spot whence the mark-stone has been removed.

In consequence of changes in the boundaries of districts, etc., any station in the return which has changed its district should be noticed and correct district entered against it in the return.

After filling in the last two columns, the return should be sent, as soon as possible after 1st January, to the Superintendent, Trigonometrical Surveys, Dehra Dun.

As the funds available for the protection of stations do not allow of a greater average expenditure than Rs. 4 or 5 per station annually, the repairs should be restricted to the protective measures detailed above.

The following abbreviations are generally employed after the survey names of stations:—

H. S. denotes Hill Station (Principal).	h. s. denotes hill station (secondary.)
P. S. „ Platform Station „	s. „ station „
S. „ Station „	t. s. „ tower station „
T. S. „ Tower Station „	

CHITALDRUG DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
725	Batigudda, h. s.	Bathigudda ...	Doddabathi ...	Davangere Taluka.	Halebathi, Nilanahalli and Doggahalli.
726	Guhesvar, h. s.	Guheswarana-gudda.	Chippenakere...	Chitaldrug Taluka.	Chukamanahalli and Chippena-kere.
727	Hotaigudda, h. s.	Hottigudda, Malasingana-halli, Vujan-gudda.	Kumbaiyana-gutta.	Holalkere Taluka.	Nandanahosuru, Ghantihosa-halli, Talya, etc.
728	Jogimardi, h. s.	Jogimatti ...	Chitaldrug ...	Chitaldrug Taluka.	Vupalakanahalli Kurubarmardi-kere, Sundi-kolla and Kunchigana-hal.
729	Kalangavi, h. s.	Kallangere ...	Jammapura ...	Hosadurga Taluka.	Rangapura, Basavapura and Mudda-pura.
730	Shigakal, h. s.	Sigakalgudda ...	Bharmanaya-kandrug.	Holalkere Taluka.	Tyajadahalli and Muttugada-vuru.
731	Talak, h. s. ...	Vullartigudda...	Vullarti ...	Chellakere Taluka.	Dodda Vularti, Talak, Giria-manahalli, Chikka Vularti and Timman-halli.
732	Utarigudda, h. s.	Vutharigudda or Timmappana-gudda.	Ittigehalli ...	Hosadurga Taluka.	Venukalgudda and Ittigehalli.
733	Yennekal, h. s.	Venukaldrug ...	Venukaldrug ...	Hiriyur Taluka	Venukalgudda.

SHIMOGA DISTRICT.

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
Good			
Good			
Good			
Good			
Good			
Good			
Good			
Good, Necessary repairs have been executed	1	4	
Good			
-do-			
-do-			
-do-			
-do-			
-do-			
Good. ~~Xxx~~ rank vegetation has been cleared.	1	8	

SDR

Mg Inspector

SHIMOGA DISTRICT.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

Measures necessary for the protection of Stations.

Description of Station.	Protective Measures.
1. Hollow Towers of Pakka masonry.	1. Stop all cracks; close the trap door; block up the windows and the doors in the basement; and should the roof fall in, shape the debris in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones in the form of a pyramid.
2. Solid Towers of Kacha masonry, with a central solid Pakka Pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of Kacha masonry, with a central perforated Pakka Pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark stone with earth and stones if open.
4. Low platforms of Kacha materials with a central solid Pakka Pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. Pakka Pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud and prevent water lodging near the base of the pillar.
6. Pakka pyramidal pillars.	6. Cover over with earth and stones as in 4.

Note.

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the debris is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high over the spot whence the mark-stone has been removed.

In consequence of changes in the boundaries of districts, etc., any station in the return which has changed its district should be noticed and correct district entered against it in the return.

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The following abbreviations are generally employed after the Survey names of stations:—

H. S. denotes Hill Station (Principal)	h. s. denotes hill station—Secondary.
P. S. „ Platform Station (Principal)	s. denotes station—Secondary.
S. „ Station „	t. s. denotes tower station—Secondary.
T. S. „ Tower Station „	

SHIMOGA DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
2978	Ambargudda h. s.	Ambargudda ...	Maratti ...	Sagar Taluka...	Nagodi, Kolurur, Kodanavalli and Adagalatti.
2979	Badankatte, h. s.	Tirumala Timmappanagudda	Barnakatte ...	Sorab Taluka...	Tadanur, Anavatti and Kubatur.
2980	Bisale, H. S.	Hulugudda Hill	Hossur ...	Tirthahalli Taluka.	Hurali, Sunkadaguli, Megaravalli and Hossur.
2981	Chandragutti, H. S.	Chandragutti	Chandragutti ...	Sorab Taluka ...	Baragavalli, Igodu and Kodambi.
2982	Dindemane, H. S.	Dindimanigudda	Karur ...	Sagar Taluka ...	Konnanmakki.
2983	Honnavalli, H. S.	Hanavalligudda.	Hanavalli ...	Sorab Taluka ...	Barur, Indavalli, Kannur and Hulikatte.
2984	Hugadi, H. S.	Hugadigudda...	Hugadi ...	Nagar Taluka...	Nagarahalli ...
2985	Kalavarangan, h. s.	Kalabirigudda	Issarapura ...	Honnali Taluka	Yeraganahalu, Chimkatta and Belagutta.
2986	Kalingrayan, h. s.	Kalingaroy ...	Halasinavaravu	Channagiri Taluka.	Ubrani ...
2987	Kodashadri, H. S.	Kodachadri-parvata.	Vallurmane ...	Sagar Taluka ...	Vallurmane, Muddur in South-Canara, Kattinahole and Kollur.
2988	Koramur, H. S.	Kormargudda	Nijagar Khandaka.	Sagar Taluka...	Tumbibahalli.
2989	Siddeshvar, H. S.	Siddesvaragudda.	Surali Balebail.	Tirthahalli Taluka.	Surali, Balebail, Tirthahalli, Sivarajapura and Amballike.
2990	Timmappanagudda, h. s.	Timmappanagudda.	Balanayakanahalli.	Channagiri Taluka.	Basavapatna ...
2991	Vimaldi, h. s.	Udamardi ...	Kudagalmani...	Shimoga Taluka	Settihalli and Heggalatti.

KADUR DISTRICT.

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
Reported to be in good Condition			
— do			
— do			
— do			
— do			

GPB—100—17-5-09.

Sd/
Insp Forest

KADUR DISTRICT.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

Measures necessary for the protection of Stations.

Description of Station.	Protective Measures.
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2. Solid Towers of *Kacha* masonry, with a central solid *Pakka* pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of *Kacha* masonry, with a central perforated *Pakka* pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark-stone with earth and stones if open.
4. Low platforms of *Kacha* materials with a central solid *Pakka* pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. *Pakka* pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud, and prevent water lodging near the base of the pillar.
6. *Pakka* pyramidal pillars.	6. Cover over with earth and stones as in 4.

Note.

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when, therefore, a pillar has entirely fallen down, it will suffice if the *debris* is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high over the spot whence the mark-stone has been removed.

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P. S.	,, Platform Station ,,	s.	,, station ,,
S.	,, Station ,,	t. s.	,, tower station ,,
T. S.	,, Tower Station ,,		

KADUR DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
1770	Anur, H. S. ...	Rangaswamigiri	Hanucharvalle	Chikmagalur Taluka.	Mavinguni and Busgode.
1771	Ballalrayan-durga, h. s.	Balalarainadurga	Dugadahalli ...	Mudgere Taluka	Baligo and Dugudahalli of Melbangadi Magani.
1772	Hebbe, H. S....	Hebbe ...	Hebbe ...	Chikmagalur Taluka.	Koragalli and Hebbe.
1773	Hiregudda, H. S.	Hiregudda ...	Hiregudda ...	Koppa Taluka	Yelamalalu and Sollebile Bag-gunji Magani.
1774	Valkunji, H. S.	Walkunji ...	Vurvani (Mudba)	Koppa Taluka	Kerekutta and Vurvani.

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
Reported to be in good Condition			
— do —			
— do			
— do			
— do			

GPB—100—20-4 09.

for Mr Inspecting

HASSAN DISTRICT.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

Measures necessary for the protection of Stations.

DESCRIPTION OF STATION.	PROTECTIVE MEASURES.
1. Hollow Towers of *Pakka* masonry.	1. Stop all cracks; close the trap door; block up the windows and the doors in the basement; and should the roof fall in, shape the *debris* in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones in the form of a pyramid.
2. Solid Towers of *Kacha* masonry, with a central solid *Pakka* pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of *Kacha* masonry, with a central perforated *Pakka* pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark-stone with earth and stones if open.
4. Low platforms of *Kacha* materials with a central solid *Pakka* pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. *Pakka* pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud, and prevent water lodging near the base of the pillar.
6. *Pakka* pyramidal pillars.	6. Cover over with earth and stones as in 4.

NOTE.

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the *debris* is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high over the spot whence the mark-stone has been removed.

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T. S. „ Tower Station „	

HASSAN DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
1454	Desani, h. s. ...	Desaingudda, (Dodchinginabetta).	Desani ...	Arsikere Taluka	Kurudahalli, Handrahalli and Kallyadi.
1455	Kittavar, H. S.	Kittavaradagudda.	Anughatta ...	Belur Taluka ...	Salavara.
1456	Mallappanabetta, h. s.	Mallesvarabetta	Bijemarnahalli	Hassan Taluka	Mavanur.
1457	Nughallibetta, H. S.	Joginathgudda	Nughalli ...	Channarayapatna Taluka.	Nughalli.
1458	Satanhalli, H. S.	Satenahallibetta	Satenahalli ...	Hole-Narsipur Taluka.	Satenahalli.

BANGALORE DISTRICT.

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
In good Condition			
do			
Requires petty repairs	3	8	
do	2	8	
do	5	-	
do	5	-	
In good Condition			
do			
do			
do			

GPB—100—4-5 09

Inspected

BANGALORE DISTRICT.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

Measures necessary for the protection of Stations.

Description of Station.	Protective Measures.
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4. Low platforms of *Kacha* materials with a central solid *Pakka* pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
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S. „ Station „	t. s. „ tower station „
T. S. „ Tower Station „	

BANGALORE DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
307	Banatimari-betta, H. S.	Banante-mari betta.	Kotkonhalli ...	Kankanhalli Taluka	Kotkonhalli.
308	Bangalore Base-line, N. E. End. S.	Kannur ...	Kannur ...	Hoskote Taluka	Chota Gubbi.
309	Bangalore Base-line, N. End. s.	Banasavadi ...	Banasavadi ...	Bangalore Taluka.	Channasandra.
310	Bangalore Base-line, S. End. s.	Harlur- ...	Harlkunte ...	Bangalore Taluka.	Harlur.
311	Bangalore Base-line S. W. End. S.	Uyal-dinne	Uyal-Kaval.	Bangalore Taluka	On the north of the Bangaloro Cantonment.
312	Bannergatta, H. S.	Bannergatta ...	Bannergatta ...	Anekal Taluka	Sampigehalli & Bairappanahalli.
313	Basavangudda, h. s.	Kodugpalli ...	Kodugpalli ...	Bangalore Taluka.	Kodugpalli.
314	Doddagunta, s.	Doddagunta ...	Doddagunta ...	Civil & Military Station of Bangalore.	Jibanahalli.
315	Geddahalli, h. s.	Gadalhalli ...	Gadalahalli ...	Bangalore Taluka.	Gadalahalli.
316	Gubbi, s. ...	Kalsanhalli ...	Kalsanhalli ...	Hoskote Taluka.	Chota Gubbi.
317	Halasurbetta, H. S.	Alasur Hill ...	Betta Alasur ...	Devanhalli Taluka.	Jodi Kadaguna-halli, Bilmaran-halli and Sin-appanahalli.
318	Hennur, s. ...	Hennur ...	Hennur ...	Bangalore Taluka.	Hennur.

BANGALORE DISTRICT.

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
In good Condition			
—do—			
Requires petty repairs —do—			
—do—			
Requires petty repairs	2	.	✓
In good Condition			
—do—			
Requires petty repairs	2	.	✓
—do—	5	.	✓
—do—	5	.	✓
—do—	2	8	✓

BANGALORE DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
319	Kalkote, h. s....	Kulkota ...	Kulkota ...	Dodballapur Taluka.	Varavani and Manchenahalli.
320	Koppabetta, H. S.	Koppabetta ...	Kotakuppa ...	Kankanhalli Taluka.	Arakoppa and Dodkuppa.
321	Machalbetta, s.	Lingarajpura...	Between Lingarajpura and Dodkunte.	Bangalore Taluka.	Lingarajpura.
322	Maklidurga, H. S.	Maklibetta ...	Makli ...	Dodballapur Taluka.	Somenahalli, Makli, Gundangiri and Kumbalahalli.
323	Mandur, H. S.	Dodgutta ...	Mandur ...	Hoskote Taluka	Gundur and Baiyappanahalli.
324	Nandigudi, H. S.	Nandigudi ...	Nandigudi ...	Hoskote Taluka	Banahalli.
325	Sampigehalli, t. s.	Sampgehalli ...	Sampgehalli ...	Bangalore Taluka.	Sriramapuram and Sampgehalli.
326	Savandurga, H. S.	Savandurga ...	Karisavandurga near Basavana Temple.	Magadi Taluka	Nillapatna Kalyana Devara Matt and Nargikanpalya.
327	Thirthapalli, H. S.	Tirthalli ...	Tirthalli ...	Hoskote Taluka	Jodi Tagli, Hoshalli.
328	Turukungutta, H. S.	Turkangutta	Doddanskundi	Bangalore Taluka.	Sitaramappanapalya.

TUMKUR DISTRICT.

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
In good Condition			
-do.			
- do.			
- do -			
- do :			
- do - o			
Requires slight repairs	1	8	.
~~-do-~~ In good Condition	4	.	
~~-do-~~ In good Condition			
Requires ~~-do-~~ slight repairs	4	.	

MGP—100—1-3-09.

Inspector

TUMKUR DISTRICT.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

Measures necessary for the protection of Stations.

Description of Station.	Protective Measures.
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2. Solid Towers of Kacha masonry, with a central solid Pakka Pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
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4. Low platforms of Kacha materials with a central solid Pakka Pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. Pakka Pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud and prevent water lodging near the base of the pillar.
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Note.

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the debris is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high over the spot whence the mark-stone has been removed.

In consequence of changes in the boundaries of districts, etc., any station in the return which has changed its district should be noticed and correct district entered against it in the return.

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The following abbreviations are generally employed after the Survey names of stations:—

H. S.	denotes	Hill Station (Principal).	h. s. denotes hill station—Secondary.
P. S.	„	Platform Station (Principal).	s. denotes station—Secondary.
S.	„	Station „	t. s. denotes tower station—Secondary.
T. S.	„	Tower Station „	

TUMKUR DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
3406	Bommanahalli, h. s.	Bommanahalli-betta.	Bommanahalli	Tiptur Taluka	Godabonahalli, Guladahalli, Bommanahalli and Hoshalli.
3407	Byal, h. s. ...	Baillippibetta...	Byalya ...	Maddagiri Taluka.	Settihalli, Puttanahalli and Soganahalli.
3408	Chowdanhalli, S.	Krishnapura ...	Between Chandamhalli and Krishnapura.	Tiptur Taluka	Chandamhalli, Krishnapura, Doddenahalli and Turuvekere.
3409	Devarayadurga, h. s.	Devarayadurg-betta.	Devarayadurga	Tumkur Taluka	Aunapanahalli, Thimmanayakanahalli and Durgadahalli.
3410	Dodnirmanga, H. S.	Dodnirmanga...	Kavanadala ...	Maddagiri Taluka.	Timmalapura and Kavanadala.
3411	Hemagiri, H. S.	A hill near Rangaswami-betta and Hutridurga-betta.	Huliyurdurga...	Kunigal Taluka	Huliyurdurga, Ujini, Hettapur and Varadarajanapalya.
3412	Pavagada, H. S.	Sultanbateri ...	Pavagada ...	Pavagada Taluka.	Pavagada and Rangapura.
3413	Ramadevara-betta, H. S.	Ramadevarbetta	Basavapatna ...	Tumkur Taluka	Basavapatna, Karikalpalya, Boorugamaradapalya and Siddagangematt.
3414	Rangaswami-betta, H. S.	On the west of the Hutridurga hill and Kunigal.	Kothgiri and Gunagra.	Kunigal Taluka	Kunigal, Nadamavinpur, Kalaganapalya and Bommadagiri.
3415	Sitakal, h. s.	Ramadevarbetta	Sitakallu ...	Tumkur Taluka	Sitakallu, Betta Sitakallu, Kalenahalli and Gujjiganahalli.

KOLAR DISTRICT

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
The Central pillar has been removed. There is a hollow where the pillar stones have been - some debris is thrown on the platform. The rough stone platform around is alright.	4	.	.
Good.			
Steps leading to the station have fallen down - stone revetment is out of order in some parts.	4	.	.
In good order.			
The rough stones constituting the pyramidical structure have slipped & are stone displaced -	5	.	.
Some of the stones of the platform have fallen down	3	8	.
Good			
alright			
Good			
In good condition			
Reported to be in good Condition			

MGP—100—8-3-09.

for
Ag

KOLAR DISTRICT.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

Measures necessary for the protection of Stations.

Description of Station.	Protective Measures.
1. Hollow Towers of Pakka masonry.	1. Stop all cracks; close the trap door; block up the windows and the doors in the basement; and should the roof fall in, shape the debris in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones in the form of a pyramid.
2. Solid Towers of Kacha masonry, with a central solid Pakka pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of Kacha masonry, with a central perforated Pakka pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark stone with earth and stones if open.
4. Low platforms of Kacha materials with a central solid Pakka pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. Pakka pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud and prevent water lodging near the base of the pillar.
6. Pakka pyramidal pillars.	6. Cover over with earth and stones as in 4.

NOTE.

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the debris is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high over the spot whence the mark-stone has been removed.

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S. „ Station „	t. s. denotes tower station—Secondary.
T. S. „ Tower Station „	

KOLAR DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka Thana	Names of nearest villages
1939	Ambajidurga, H. S.	Ambajidurga ...	Upparpet ...	Sidlaghatta now Chintamani Taluka.	Waddarpalli, Kavalgadurga, Chorapalli and Konapalli.
1940	Bandapalli, H S.	Bandapallibetta	Bandapalli ...	Mulbagal Taluka	Reddipalli, Edahalli, Honnasettihalli, Vurukunte and Mittur.
1941	Bhupatamma, H. S.	Bhupattammabetta.	Ulerhalli ...	Malur Taluka...	Virakaputra, Somasandra and Thimmanaikanhalli.
1942	Chikkapalli, h. s.	Chikkapalli ...	Chikkapalli ...	Sidlaghatta now Chintamani Taluka.	Yerranaganahalli, Mittameri and Sadali.
1943	Itikaldurga, h. s.	Devêkunte ...	Devêkunte ...	Bagapalli Taluka.	Margankunte and Thangedikunte in British Territory.
1944	Kolar, H. S. ...	Paparaganahallidurga, belonging to the Kolar Range.	Paparaganahalli	Kolar Taluka...	There are no villages in the vicinity.
1945	Konkontlu, h. s.	Siddarmallibetta	Bodimpalli ...	Sidlaghatta now Chintamani Taluka.	Munganhalli, Bettalahalli, Kodigallu and Iragampalli.
1946	Kurudamalc, H. S.	Kurudamallêbetta.	Kurudamalle ...	Mulbagal Taluka	Madagatta, Siddagatta, Rachabandihalli and Arehalli.
1947	Nandydroog, h. s.	Nandydroog ...	Sultanpet ...	Chikballapur Taluka.	Nandi, Kadavati and Viranahalli.
1948	Rahmanghar, h. s.	Rymandurga ...	Hosapet near Kaivara.	Sidlaghatta now Chintamani Taluka.	Kaivara.
1949	Yerrakonda, H. S.	Byatarayanahalli betta.	Byatarayanahalli.	Betmangala now Bowringpet Taluka.	Madamangala, Doddakallahalli, Kempapura, Chambarsanahalli and Lakkinayakanahalli.

MYSORE DISTRICT.

Condition of station	Estimated cost of repairs		
	Rs.	a.	p.
In good Condition			
Requires slight repairs	3	-	-
In good Condition			
do			
do			
do			
do			

MGCP—100—24-2-09.

Spr

Mg Trees

MYSORE DISTRICT.

ANNUAL RETURN SHOWING THE CONDITION OF THE PILLARS AND TOWERS OR PLATFORMS MARKING THE PRINCIPAL AND SECONDARY STATIONS OF THE TRIGONOMETRICAL SURVEYS.

Measures necessary for the protection of Stations.

Description of Station.	Protective Measures.
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2.—Solid Towers of Kacha masonry, with a central solid Pakka Pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of Kacha masonry, with a central perforated Pakka Pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark stone with earth and stones if open.
4. Low platforms of Kacha materials with a central solid Pakka Pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. Pakka Pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud and prevent water lodging near the base of the pillar.
6. Pakka pyramidal pillars.	6. Cover over with earth and stones as in 4.

Note.

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the debris is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high over the spot whence the mark-stone has been removed.

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T. S. „ Tower Station „	

MYSORE DISTRICT.

Ledger number	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thana	Names of nearest villages
2438	Adhibetta, H. S.	Adhibetta ...	Hatnabettahalli	Mandya Taluka	Hatnabetta
2439	Adhurbetta, H. S.	Adhurbetta ...	Halliur Bedarhalli.	Yedatore Taluka	Kuppe Firka near Yedatore
2440	Bettadapur, h. s.	Bettadapuradabetta.	Bettadapur ...	Hunsur Taluka	Bettadapura.
2441	Haltibetta, H. S.	Halattibetta ...	Kachenahalli and Halatti.	Nagamangala Taluka.	Kenchenahalli and Halatti.
2442	Kundur, h. s.	Kundurbetta ...	Kundur ...	Malavalli Taluka	Kundur.
2443	Mysore No. 3 h. s	Chamundibetta	Chamundibetta and Kudanhalli.	Mysore Taluka	Chamundibetta.
2444	Narayandurga, H. S.	Narayanagiribetta.	Sindaghatta ...	Krishnarajpet Taluka.	Kodihalli, Sindaghatta, Rayasamudra and Harolahalli.

Superintendent , Trigonometrical Survey, Dehra Dun, to the First Assistant to the Resident in Mysore.

Acknowledges his No. 2989/Encl.8 of 30-4-1914 giving cover to the Annual Report for the year 1913 on the condition of the Stations of the G.T.Survey in the Districts of Mysore State and requests the favour of his forwarding a further special report on the damage to No. 1939, Ambajidurga H.S. in Kolar District. The report should state if the markstone in the basement, engraved on the rock in Situ, is still in existence and undisturbed or Not. It is also requested that an investigation be made with a view to ascertaining who removed the central pillar of No. 1939. The offenders, if discovered, should be punished, and strict measures adopted for the prevention of such damage in future.

Tumkur
Bangalore
Mysore
Hassan
Kadur
Shimoga
Chitaldrug
Kolar.

The sums estimated for repairs to the other stations are sanctioned.

8 copies of the form of Annual Return are enclosed for future use on the first page of which will be found "Notes on the preparation of the Return" and "Measures necessary for the protection of Station" which should be strictly adhered to. Attention is also invited to the memo. printed overleaf.

PoC 20
2241 } 10-6-1914.

DIARY No....8.8.11

19/3-1914
SECTION C.M.
FILE No. 246-13

No. 3894

Mysore Resident's office,
Bangalore, dated 18th June 1914.

Red in camp
13-6-14

A copy of the foregoing memo. with a copy each of the enclosures, is forwarded herewith to the Government of His Highness the Maharaja of Mysore for information and favour of necessary action, with reference to Mr. Srinivasa Iyengar's letter

letter No. 824 Pol., dated the 21st April 1914.

First Assistant Resident.

Tumkur District

Annual Return shewing the condition of the Pillars and Towers or Platforms marking the Principal and Secondary Stations of the Trigonometrical Surveys.

Measures necessary for the Protection of Stations.

Description of Station.	*Protective Measures.*
1. Hollow Towers of *paka* masonry.	1. Stop all cracks; close the trap door; block up the windows and the doors in the basement; and should the roof fall in, shape the *débris* in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones, in the form of a pyramid.
2. Solid Towers of *kacha* masonry, with a central solid *paka* pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of *kacha* masonry, with a central perforated *paka* pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark-stone with earth and stones if open.
4. Low platforms of *kacha* materials with a central solid *paka* pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. *Paka* pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud, and prevent water lodging near the base of the pillar.
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NOTE

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The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the *débris* is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high, over the spot whence the mark-stone has been removed.

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S.	,,	Station ,,	t. s.	,,	tower station ,,
T. S.	,,	Tower Station ,,			

Tumkur District

Ledger No.	Survey name of station	Local name of station	Village in which the station lies	Tahsíl, Pargana, Taluka, Thána	Names of nearest villages
3406	Bommanhalli h. s.	Bommanahallibetta	Bommanahalli	Tiptur Taluka	Godabonahalli, Guladahalli, Bommanahalli and Hoshalli
3407	Byal h. s.	Baillippibetta	Byalya	Maddagiri Taluka	Settihalli, Puttanahalli and Soganahalli
3408	Chaudanhalli S.	Krishnapura	Between Chandamhalli and Krishnapura	Tiptur Taluka	Chandamhalli, Krishnapura, Doddenahalli and Turuvekere
3409	Devarayadurga h. s.	Devarayadurgbetta	Devarayadurga	Tumkur Taluka	Aanapanahalli, Timmanayakanahalli and Durgadahalli
3410	Dodnirmanga H. S.	Dodnirmanga	Kavanadala	Maddagiri Taluka	Timmalapura and Kavanadala
3411	Hemagiri H. S.	A hill near Rungaswami betta and Hutridurga betta	Huliyurdurga	Kunigal Taluka	Huliyurdurga, Ujini, Hettapur and Varadarajanapalya
3412	Pavagada H. S.	Sultanbateri	Pavagada	Pavagada Taluka	Pavagada and Rangapura
3413	Ramadevarabetta H.S.	Ramadevarbetta	Basavapatna	Tumkur Taluka	Basavapatna, Karikalpalya, Boorugamaradapalya and Siddagangematt
3414	Rangaswamibetta H.S.	On the west of the Hutridurga hill and Kunigal	Kothgiri and Gunagra	Kunigal Taluka	Kunigal, Nadamavinpur, Kalaganapalya and Bommadagiri
3415	Sitakal h. s.	Ramadevarbetta	Sitakallu	Tumkur Taluka	Sitakallu, Betta Sitakallu, Kalenahalli and Gujjiganahalli

Tumkur District

Condition of station	Estimated cost of repairs		
	Rs.	A.	P.

89

Bangalore District

Annual Return shewing the condition of the Pillars and Towers or Platforms marking the Principal and Secondary Stations of the Trigonometrical Surveys.

Measures necessary for the Protection of Stations.

Description of Station.	*Protective Measures.*
1. Hollow Towers of *paka* masonry.	1. Stop all cracks; close the trap door; block up the windows and the doors in the basement; and should the roof fall in, shape the *débris* in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones, in the form of a pyramid.
2. Solid Towers of *kacha* masonry, with a central solid *paka* pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
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5. *Paka* pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud, and prevent water lodging near the base of the pillar.
6. *Paka* pyramidal pillars.	6. Cover over with earth and stones as in 4.

NOTE

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the *débris* is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high, over the spot whence the mark-stone has been removed.

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S.	,,	Station	,,	t. s.	,,	tower station	,,
T. S.	,,	Tower Station	,,				

Ledger No.	Survey name of station	Local name of station	Village in which the station lies	Tahsíl, Pargana, Taluka, Thána	Names of nearest villages
307	Banatimaribetta H. S.	Banantemaribetta	Kotkonhalli	Kankanhalli Taluka	Kotkonhalli
308	Bangalore Base-line N. E. End S.	Kannur	Kannur	Hoskote Taluka	Chota Gubbi
309	Bangalore Base-line N. End s.	Banasavadi	Banasavadi	Bangalore Taluka	Channasandra
310	Bangalore Base-line S. End s.	Harlur	Harlkunte	Bangalore Taluka	Harlur
311	Bangalore Base-line S. W. End S.	Uyaldinne	Uyalkaval	Bangalore Taluka	On the north of the Bangalore Cantonment
312	Bannergatta H. S.	Bannergatta	Bannergatta	Anekal Taluka	Sampigehalli and Bairappanahalli
313	Basavangudda h. s.	Kodugpalli	Kodugpalli	Bangalore Taluka	Kodugpalli
314	Doddagunta s.	Doddagunta	Doddagunta	Civil and Military Station of Bangalore	Jibanahalli
315	Geddahalli h. s.	Gadalhalli	Gadalahalli	Bangalore Taluka	Gadalahalli
316	Gubbi s.	Kalsanhalli	Kalsanhalli	Hoskote Taluka	Chota Gubbi
317	Halasurbetta H. S.	Alasur Hill	Betta Alasur	Devanhalli Taluka	Jodi Kadagunahalli, Bilmaranhalli and Sinappanahalli
318	Hennur s.	Hennur	Hennur	Bangalore Taluka	Hennur

Bangalore District

Condition of station	Estimated cost of repairs		
	Rs.	A.	P.

Bangalore District

Ledger No.	Survey name of station	Local name of station	Village in which the station lies	Tahsíl, Pargana, Taluka, Thána	Names of nearest villages
319	Kalkote h. s.	Kulkota	Kulkota	Dodballapur Taluka	Varavani and Manchenahalli
320	Koppabetta H. S.	Koppabetta	Kotakuppa	Kankanhalli Taluka	Arakoppa and Dodkuppa
321	Machalbetta s.	Lingarajpura	Between Lingarajpura & Dodkunte	Bangalore Taluka	Lingarajpura
322	Makalidurga H. S.	Maklibetta	Makli	Dodballapur Taluka	Somenahalli, Makli, Gundangiri and Kumbalahalli
323	Mandur H. S.	Dodgutta	Mandur	Hoskote Taluka	Gundur and Baiyappanahalli
324	Nandigudi H. S.	Nandigudi	Nandigudi	Hoskote Taluka	Banahalli
325	Sampigehalli t. s.	Sampgehalli	Sampgehalli	Bangalore Taluka	Sriramapuram and Sampgehalli
326	Savandurga H. S.	Savandurga	Karisavandurga near Basavana Temple	Magadi Taluka	Nillapatna Kalyana Devara Matt and Nargikanpalya
327	Tirthapalli H. S.	Tirthalli	Tirthalli	Hoskote Taluka	Jodi Tagli Hoshalli
328	Turukungutta H. S.	Turkangutta	Doddanskundi	Bangalore Taluka	Sitaramappanapalya

Bangalore District

Condition of station	Estimated cost of repairs		
	Rs.	A.	P.

Mysore District

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H. S.	denotes	Hill Station	(Principal)	h. s.	denotes	hill station	(secondary)
P. S.	,,	Platform Station	,,	s.	,,	station	,,
S.	,,	Station	,,	t. s.	,,	tower station	,,
T. S.	,,	Tower Station	,,				

Mysore District

Ledger No.	Survey name of station	Local name of station	Village in which the station lies	Tahsíl, Pargana, Taluka, Thána	Names of nearest villages
2438	Adhibetta H. S.	Adhibetta	Hatnabettahalli	Mandya Taluka	Hatnabetta
2439	Adhurbetta H. S.	Adhurbetta	Halliur Bedarhalli	Yedatore Taluka	Kuppe Firka near Yedatore
2440	Bettadpur h. s.	Bettadapuradabetta	Bettadapur	Hunsur Taluka	Bettadapura
2441	Haltibetta H. S.	Halattibetta	Kachenahalli and Halatti	Nagamangala Taluka	Kenchenahalli and Halatti
2442	Kundur h. s.	Kundurbetta	Kundur	Malavalli Taluka	Kundur
2443	Mysore No. 3 h. s.	Chamundibetta	Chamundibetta, Kudanhalli	Mysore Taluka	Chamundibetta
2444	Narayandurga H. S.	Narayanagiribetta	Sindaghatta	Krishnarajpet Taluka	Kodihalli, Sindaghatta, Rayasamudra and Harolahalli

Mysore District

Condition of station	Estimated cost of repairs		
	Rs.	A.	P.

Hasan District

Annual Return shewing the condition of the Pillars and Towers or Platforms marking the Principal and Secondary Stations of the Trigonometrical Surveys.

Measures necessary for the Protection of Stations.

Description of Station.	*Protective Measures.*
1. Hollow Towers of *paka* masonry.	1. Stop all cracks; close the trap door; block up the windows and the doors in the basement; and should the roof fall in, shape the *débris* in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones, in the form of a pyramid.
2. Solid Towers of *kacha* masonry, with a central solid *paka* pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of *kacha* masonry, with a central perforated *paka* pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark-stone with earth and stones if open.
4. Low platforms of *kacha* materials with a central solid *paka* pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. *Paka* pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud, and prevent water lodging near the base of the pillar.
6. *Paka* pyramidal pillars.	6. Cover over with earth and stones as in 4.

NOTE

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the *débris* is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high, over the spot whence the mark-stone has been removed.

In consequence of changes in the boundaries of districts &c. any station in the Return which has changed its district should be noticed and correct district entered against it in the Return.

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S.	,,	Station ,,	t. s.	,,	tower station ,,
T. S.	,,	Tower Station ,,			

Hasan District

Ledger No.	Survey name of station	Local name of station	Village in which the station lies	Tahsil, Pargana, Taluka, Thána	Names of nearest villages
1454	Desani h. s.	Desaingudda (Dodchinginabetta)	Desani	Arsikere Taluka	Kurudahalli, Handrahalli and Kallyadi
1455	Kittavar H. S.	Kittavaradagudda	Anughatta	Belur Taluka	Salavara
1456	Mallappanabetta h.s.	Mallesvarabetta	Bijemarnahalli	Hassan Taluka	Mavanur
1457	Nughallibetta H.S.	Joginathgudda	Nughalli	Chennaroyapatna Taluka	Nughalli
1458	Satanhalli H. S.	Satenahallibetta	Satenahalli	Hole-Narsipur Taluka	Satenahalli

Kadur District

Annual Return shewing the condition of the Pillars and Towers or Platforms marking the Principal and Secondary Stations of the Trigonometrical Surveys.

Measures necessary for the Protection of Stations.

Description of Station.	*Protective Measures.*
1. Hollow Towers of *paka* masonry.	1. Stop all cracks; close the trap door; block up the windows and the doors in the basement; and should the roof fall in, shape the *débris* in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones, in the form of a pyramid.
2. Solid Towers of *kacha* masonry, with a central solid *paka* pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of *kacha* masonry, with a central perforated *paka* pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark-stone with earth and stones if open.
4. Low platforms of *kacha* materials with a central solid *paka* pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. *Paka* pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud, and prevent water lodging near the base of the pillar.
6. *Paka* pyramidal pillars.	6. Cover over with earth and stones as in 4.

NOTE

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the *débris* is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high, over the spot whence the mark-stone has been removed.

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As the funds available for the protection of stations do not allow of a greater average expenditure than Rs. 4 or 5 per station annually, the repairs should be restricted to the protective measures detailed above.

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S.	,,	Station	,,	t. s.	,,	tower station	,,
T. S.	,,	Tower Station	,,				

Kadur District

Ledger No.	Survey name of station	Local name of station	Village in which the station lies	Tahsíl, Pargana, Taluka, Thána	Names of nearest villages
1770	Anur H. S.	Rangaswamigiri	Hanucharvalle	Chikmagalur Taluka	Mavinguni and Busgode
1771	Ballalrayandurga h. s.	Balalarainadurga	Dugadahalli	Mudgere Taluka	Balige and Dugadahalli of Melbangadi Magani
1772	Hebbe H. S.	Hebbe	Hebbe	Chikmagalur Taluka	Koragalli and Hebbe
1773	Hiregudda H. S.	Hiregudda	Hiregudda	Koppa Taluka	Yelemalalu and Sollebile, Baggunji Magani
1774	Valkunji H. S.	Walkunji	Vurvani (Mudba)	Koppa Taluka	Kerekutta and Vurvani

Shimoga District

Annual Return shewing the condition of the Pillars and Towers or Platforms marking the Principal and Secondary Stations of the Trigonometrical Surveys.

Measures necessary for the Protection of Stations.

Description of Station.	*Protective Measures.*
1. Hollow Towers of *paka* masonry.	1. Stop all cracks; close the trap door; block up the windows and the doors in the basement; and should the roof fall in, shape the *débris* in the form of a cone over the basement. If a pillar exists, cover it over with earth, or earth and stones, in the form of a pyramid.
2. Solid Towers of *kacha* masonry, with a central solid *paka* pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
3. Solid Towers of *kacha* masonry, with a central perforated *paka* pillar.	3. Adopt the same precautions as in 2, and close the passages leading to the ground level mark-stone with earth and stones if open.
4. Low platforms of *kacha* materials with a central solid *paka* pillar.	4. Repair the platform and construct a pyramidal pile of earth, or earth and stones, over the pillar and partly resting on the platform.
5. *Paka* pillars, circular above and square below.	5. Close the passages leading to the mark-stones with earth and mud, and prevent water lodging near the base of the pillar.
6. *Paka* pyramidal pillars.	6. Cover over with earth and stones as in 4.

NOTE

Remove vegetation from the roof of the pillars and the platforms, and keep the space round them clear.

The most important measure is to prevent the mark-stones in the basement of the pillars from being disturbed; when therefore a pillar has entirely fallen down, it will suffice if the *débris* is heaped over it in the form of a cone and plastered over with mud, which can be effected at a trifling expense. If it should, however, happen that the mark-stone has been removed, every endeavour should be made to preserve the site by raising a mound of earth, or of earth and stones, a few feet high, over the spot whence the mark-stone has been removed.

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As the funds available for the protection of stations do not allow of a greater average expenditure than Rs. 4 or 5 per station annually, the repairs should be restricted to the protective measures detailed above.

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S.	,,	Station	,,	t. s.	,,	tower station	,,
T. S.	,,	Tower Station	,,				

Shimoga District

Ledger No.	Survey name of station	Local name of station	Village in which the station lies	Tahsíl, Pargana, Taluka, Thána	Names of nearest villages
2978	Ambargudda h. s.	Ambargudda	Maratti	Sagar Taluka	Nagodi, Kolurur, Kodanavalli and Adagalatti
2979	Badankatte h. s.	Tirumala Timmappanagudda	Barnakatte	Sorab Taluka	Tadanur, Anavatti and Kubatur
2980	Bisale H. S.	Hulugudda Hill	Hossur	Tirthalli Taluka	Hurali, Sunkadaguli, Megaravalli and Hossur
2981	Chandragutti H. S.	Chandragutti	Chandragutti	Sorab Taluka	Baragavalli, Igodu and Kodambi
2982	Dindemane H. S.	Dindimanigudda	Karur	Sagar Taluka	Konnanmakki
2983	Honnavalli H. S.	Hanavalligudda	Hanavalli	Sorab Taluka	Barur, Indavalli, Kannur and Hulikatte
2984	Hugadi H. S.	Hugadigudda	Hugadi	Nagar Taluka	Nagarahalli
2985	Kalavarangan h. s.	Kalabigirigudda	Issarapura	Honnali Taluka	Yeraganahalu, Chimkatta and Belagutta
2986	Kalingrayan h. s.	Kalingaroy	Halasinavaravu	Channagiri Taluka	Ubrani
2987	Kodashadri H. S.	Kodachadri parvata	Vallurmane	Sagar Taluka	Vallurmane, Muddur in S. Canara, Kattinahole and Kollur
2988	Koramur H. S.	Kormargudda	Nijagar Khandaka	Sagar Taluka	Tumbibahalli
2989	Siddeshvar H. S.	Siddesvaragudda	Surali Balebail	Tirthalli Taluka	Surali, Balebail, Tithahalli, Sivarajapura and Amballike

Shimoga District

Condition of station	Estimated cost of repairs		
	Rs.	A.	P.

Shimoga District

Ledger No.	Survey name of station	Local name of station	Village in which the station lies	Tahsíl, Pargana, Taluka, Thána	Names of nearest villages
2990	Timmappangudda h. s.	Timmappanagudda	Balanayakana-halli	Channagiri Taluka	Basvapatna
2991	Vimaldi h. s.	Udamardi	Kudagalmani	Shimoga Taluka	Settihalli and Heggalatti

Shimoga District

Condition of station	Estimated cost of repairs		
	Rs.	A.	P.

Chitaldroog District

Annual Return shewing the condition of the Pillars and Towers or Platforms marking the Principal and Secondary Stations of the Trigonometrical Surveys.

Measures necessary for the Protection of Stations.

Description of Station.	*Protective Measures.*
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2. Solid Towers of *kacha* masonry, with a central solid *paka* pillar.	2. Prevent water from percolating to the pillar, by stopping all cracks with mud, and cover the summit of the pillar with earth, sloped away to carry off the rainfall.
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NOTE

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T. S.	,,	Tower Station	,,			

Chitaldroog District

Ledger No.	Survey name of station	Local name of station	Village in which the station lies	Tahsíl. Pargana, Taluka, Thána	Names of nearest villages
725	**Batigudda h. s.**	Bathigudda	Doddabathi	Davangere Taluka	Halebathi, Nilanahalli and Doggahalli
726	**Guhesvar h. s.**	Guheswaranagudda	Chippenakere	Chitaldroog Taluka	Chukamanahalli and Chippenakere
727	**Hotaigudda h. s.**	Hottigudda, Malasinganahalli Vujangudda	Kumbaiyanagutta	Holalkere Taluka	Nandanahosuru, Ghantihosahalli, Talya &c.
728	**Jogimardi h. s.**	Jogimatti	Chitaldroog	Chitaldroog Taluka	Vupalakanahalli, Kurubarmardikere, Sundikolla and Kunchiganahal
729	**Kalangavi h. s.**	Kallangere	Jammapura	Hosadurga Taluka	Rangapura, Basavapura and Muddapura
730	**Shigakal h. s.**	Shigakalgudda	Bharmanaykandrug	Holalkere Taluka	Tyajadahalli and Mutugadavuru
731	**Talak h. s.**	Vullartigudda	Vullarti	Chellakere Taluka	Dodda Vularti, Talak, Giriamanahalli, Chikka Vularti and Timmanhalli
732	**Utarigudda h. s.**	Vutharigudda or Timmappanagudda	Ittigehalli	Hosadurga Taluka	Venukalgudda and Ittigehalli
733	**Yennekal h. s.**	Venukaldrug	Venukaldrug	Hiriyur Taluka	Venukalgudda

Kolar District

Annual Return shewing the condition of the Pillars and Towers or Platforms marking the Principal and Secondary Stations of the Trigonometrical Surveys.

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S.	,,	Station	,,	t. s.	,,	tower station ,,
T. S.	,,	Tower Station	,,			

Kolar District

Ledger No.	Survey name of station	Local name of station	Village in which the station lies	Tahsíl, Pargana, Taluka, Thána	Names of nearest villages
1939	Ambajidurga H. S.	Ambajidurga	Upparpet	Sidlagatta now Chintamani Taluka	Waddarpalli, Kavalgadurga, Chorapalli and Konapalli
1940	Bandapalle H. S.	Bandapallibeta	Bandapalli	Mulbagal Taluka	Reddipalli, Edahalli, Honnasettihalli, Vurukunte and Mittur
1941	Bhupatamma H. S.	Bhupattammabetta	Ulerhalli	Malur Taluka	Virakaputra, Somasandra and Timmanayakanahalli
1942	Chikkapalli h. s.	Chikkapalli	Chikkapalli	Sidlagatta now Chintamani Taluka	Yerranaganahalli, Mittameri and Sadali
1943	Itikaldurga h. s.	Devekunte	Devekunte	Bagapalli Taluka	Margankunte and Thangedikunte in British Territory
1944	Kolar H. S.	Paparaganahallidurga belonging to the Kolar Range	Paparaganahalli	Kolar Taluka	There are no villages in the vicinity
1945	Konkontlu h. s.	Siddarmallibetta	Bodimpalli	Sidlagatta now Chintamani Taluka	Munganhalli, Bettalahalli, Koddigallu and Iragampalli
1946	Kurudamale H. S.	Kurudamallebetta	Kurudamalle	Mulbagal Taluka	Madagatta, Siddagatta, Rachabandihalli and Arehalli
1947	Nundydroog h. s.	Nandidroog	Sultanpet	Chikballapur Taluka	Nandi, Kadavati and Viranahalli
1948	Rahmanghar h. s.	Rymandurga	Hosapet near Kaivara	Sidlagatta now Chintamani Taluka	Kaivara
1949	Yerrakonda H. S.	Byatarayanahallibetta	Byatarayanahalli	Betmangala now Bowringpet Taluka	Madamangala, Doddakallahalli, Kempapura, Chambarsanahalli and Lakkinayakanahalli

G. R. S. 26] 25/6 8811

File No. 246-13
Serial No. 23.

Diary No. of letter replied to

No. G 10899

General and Revenue Secretariat
( )
, *the* 191 .

To The Dy Comr
Kelan Distt.

Date of issue 30/6

Signed by Rai T. L. Rao,

Sir,

With refce to the Correspondence ending with your letter no 273 of 6th April 1914, I am directed to request, at the instance of the Supdt - Trig: Survey, Dehra Dun, that a special report may be submitted regarding the damage to

over.

SUBJECT.

Station no 1939- Ambaji dungri
in the Kadra Dt- referred to
in the ~~report~~ return forwarded
with your letter no 107 dt 7th
Jan 1914 - The report showed
state of the marks lone in the
basement, engraved on the
rock in situ, is still in exis-
-tance & undisturbed & not.
~~there~~ I am also to request
that an investigation may be
made with a view to ascer-
-taining who removed the
central pillar of the station
no. 1939. The offenders, if
discovered, should be punished
& what measures adopted
for the prevention of such
Damage in future.

I have the
honour
to be
Sir
Your most obedient
humble servant

bms

List of enclosures

Copied by KR 26/6

Examined by

GPB—25,000—4-3-13

191

From

P. F. Bowring Esquire., J. P.,
Deputy Commissioner,
Kolar District.

To

The Secretary to the
Govt of H.H the Maharaj
of Mysore

Dated Govt Order Dy 6

Despatched 10-8-14 Bangalore

Received

General No. 35

No.

Enclosure No.

Subject

Reporting on the damage
done to the Trigonometri
cal Survey Station at
Ambajidrug, Chitta
mani Taluk

GPE—50,000—8-1.13

35

OFFICE OF THE DEPUTY COMMISSIONER,
KOLAR DISTRICT,

Dated Camp the 10th August 1914

DIARY No. 1293/5

19/3-1914
SECTION Gen Mis
FILE No. 246 Q. 13+14
FOL No. 24

FROM

P. F. BOWRING, ESQUIRE., J. P.,
Deputy Commissioner,
Kolar District.

To

D. M. Narasinga Rao Esq B.A.B.L
Offg Secretary to the Govt of H. H
The Maharaja of Mysore
Genl & Rev Depts
Bangalore

SIR,

For 246 Q 13 M
& 23

With reference to your letter No.
10899 dated 30th June 1914, regarding
the damage done to the Trigonometrical
Survey Station at Ambaji Durg,
Chintamani Taluk, I have the honor
to state that from the Report of
the Amildar, it is seen that the
markstone in the basement is
all right and undisturbed and

that the pillar was subsequently
put in by the village officers,
around which as a precaution
rough stones have been heaped
over in the form of a pyramid
and the stone platform around
it has been also made strongthere

2. An attempt was made to trace
out the culprits who committed
the mischief but without success.
Further attempts are being made
to find out the culprits and
the village officers have been
warned to guard against such
in future, by keeping proper
watch

watch
upon the Station.

I have the honorable
sir
your most obedient servant

A-D
For Deputy Commissioner
Wt
Kolar District

Regarding transfer of the G.R.S. Station No 1939 in the Kolar Dt

G. R. S. 26]

File No. 112

Serial No. 28

Diary No. of letter replied to

Pol No. 128.

General and Revenue Secretariat

( )

, the *191* .

To

The D. A. Research.

Date of issue 15.8.1914

Signed by Mr. D. M. Narasimha Rao

Sir,

With reference to correspondence ending with your Conf no 3894 of the 10th June 1914 I am directed to forward for information & necessary action, a copy of letter no 266/2843 of the 30th June 1914 from the Supdt-Trig. Survey, Dehra Dun acknowledging the receipt of the annual report-

over.

SUBJECT.

on the condition of G. T. S. Stations
in the State for 1913 & asking
for a special report on the
damage done to station no.
1939 - Ambajidurga - H.S. in
the Kolar Distt, I am directed to
state that the marksstone in
the basement engraved on
the rock in situ is still in exis-
tence & undisturbed - The pillar
has again been fixed in its
proper position by the village
officers & round it rough stones
have been heaped in the form
of a pyramid as a protection.
Endeavours hitherto made to
detect the culprits have not
been successful & when they
are found, they will be suitably
dealt with - The village officers
have been warned to keep
proper watch over the station
to prevent damage in future.

Thanks &c

Dwn 15/8

List of enclosures,

Copied by Dln 15/8.

Examined by

GPB—25,000—4-3-13